Ridgeway Arizona Oil Corp. 575 N. Dairy Ashford **Suite 210** Houston, TX 77079

November 13, 2024

NMOCD District 1 1625 N French Dr. Hobbs, NM, 88240

RE: **Site Assessment, Remediation and Closure Report** 

**Haley Water Facility** 

NMOCD Reference No. NAB1906042331

GPS: Latitude 33.665939 Longitude -103.545737 UL "H", Section 34, Township 07S, Range 33E,

Roosevelt County, NM

Ridgeway Arizona Oil Corp. (Ridgeway) has contracted Pima Environmental Services, LLC (Pima) to perform a site assessment, remediation and write a closure report for a produced water release that was discovered on February 13, 2019, at the Haley Water Facility (Haley). The initial C-141 form was submitted and approved on March 1, 2019. This incident was assigned Incident ID NAB1906042331, by the New Mexico Oil Conservation Division (NMOCD).

#### Site Information and Site Characterization

The Haley Water Facility is located approximately eleven (11) miles northwest of Milnesand, NM. This spill site is in Unit H, Section 34, Township 07S, Range 33E, Latitude 33.665939 Longitude -103.545737, Roosevelt County, NM. A Location Map can be found in Figure 1.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology in this area includes scattered lacustrine, playa, and alluvial deposits of the Tahoka, Double Tanks, Tule, Blanco, Blackwater Draw, and Gatuna Formations, the latter of which may be Pliocene at base; outcrops, however, are basically of Quaternary deposits. The soil in this area is made up of Amarose loamy fine sand, dry, having 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well drained. There is a low potential for karst geology to be present around the Haley (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 165 feet below grade surface (BGS). According to the United States Geological Survey well water data, depth to the nearest groundwater in this area is 222 feet BGS. See Appendix A for referenced water surveys.

	Table 1 NMAC and Closure Criteria 19.15.29							
Depth to Groundwater		Constituent & Limits						
(Appendix A)	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene			
<50' (Lack of GW data)	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg			
51-100′	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg			
>100′	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg			

Reference Figure 2 for a Topographic Map.

#### **Release Information**

NAB1906042331: On February 13, 2019, it was discovered that a pump malfunction had occurred releasing 50 bbls of produced water. A vacuum truck was called and was able to recover 30 bbls of standing fluid.

#### **Site Assessment**

On February 3, 2024, Pima mobilized personnel to perform a site assessment and collect soil samples. Grab soil samples were collected around the impacted area utilizing a hand auger. The laboratory results from this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

2-3-2024 Soil Sample Results

2-3-2024 Soil Sample Results  NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50 ')								
	Ridgeway- Haley Central Water Facility NAB1906042331							
Date: 2/3/2024 NM Approved Laboratory Results								
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
	1'	ND	ND	ND	ND	ND	0	ND
S1	2'	ND	ND	ND	ND	ND	0	ND
31	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	25.8	ND	25.8	ND
	1'	ND	ND	ND	ND	ND	0	ND
S2	2'	ND	ND	ND	ND	ND	0	ND
32	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	59.9	90.2	150.1	ND
S3	2'	ND	ND	ND	ND	ND	0	ND
33	3'	ND	ND	ND	138	173	311	ND
	4'	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	113	126	239	ND
S4	2'	ND	ND	ND	ND	ND	0	35.4
34	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
SW1	0-4'	ND	ND	ND	ND	ND	0	ND
SW2	0-4'	ND	ND	ND	ND	ND	0	ND
SW3	0-4'	ND	ND	ND	ND	ND	0	ND
SW4	0-4'	ND	ND	ND	ND	ND	0	ND
SW5	0-4'	ND	ND	ND	ND	ND	0	ND
SW6	0-4'	ND	ND	ND	ND	ND	0	ND
SW7	0-4'	ND	ND	ND	ND	ND	0	ND
SW8	0-4'	ND	ND	ND	ND	ND	0	ND
SW9	0-4'	ND	ND	ND	ND	ND	0	ND
SW10	0-4'	ND	ND	ND	ND	ND	0	ND
SW11	0-4'	ND	ND	ND	ND	ND	0	ND
BG1	1'	ND	ND	ND	ND	ND	0	ND

ND/0 - Analyte Not Detected

#### **Remediation Activities**

On October 3, 2024, Pima personnel mobilized to the site to begin excavating the release area. The estimated total volume of soil that was excavated from S3 was based on a 200 square foot area at an average depth of 3.5' totaling approximately 26 cubic yards. The total volume of soil that was excavated from S4 was based on a 200 square foot area at an average depth of 1.5' below ground surface totaling approximately 11 cubic yards. The contaminated soil was hauled and disposed of at Gandy Marley, Inc., an NMOCD-approved disposal facility. Then clean, like material was brought to the location to be used for backfilling. Figure 5 references an Excavation Map. Photographic Documentation is referenced in Appendix D.

On October 8, 2024, after Ridgeway submitted a 48-hour sampling notification (Appendix C). A total of four (4) confirmation composite samples representing no more than 200 square feet from the base and walls of the excavated areas were collected. All samples were put on ice, jarred, then delivered to Envirotech Analytical Laboratories for official analysis of all constituents listed in Table 1 19.15.29.12 NMAC. The sample results from this sampling event can be found in the data table below. A Confirmation Sample Map can be referenced in Figure 6. A complete Laboratory Report can be referenced in Appendix E.

	10-8-2024 Confirmation Sample Results								
NMO	NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50 ')								
	Ri	idgeway-	Haley Cent	ral Wate	r Facility I	NAB1906	042331		
Date: 10/8/202	Date: NM Approved Laboratory Results								
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg	
CS1	4'	ND	ND	ND	ND	ND	0	ND	
CS2	2'	ND	ND	ND	ND	ND	0	ND	
CSW1	COMP	ND	ND	ND	ND	ND	0	ND	
CSW2	COMP	ND	ND	ND	ND	ND	0	ND	

ND/0 - Analyte Not Detected

#### **Closure Request**

Based on the laboratory reports, the contamination levels for all samples analyzed are under the regulatory limits as per the less than 50-foot depth to groundwater section of Table 1 19.15.29.12 NMAC. No further remediation activities are required for this incident.

Ridgeway has complied with the applicable requirements set forth in 19.15.29.12 NMAC and requests that this remediation closure report for incident ID NAB1906042331 be approved. Ridgeway understands that reclamation of this pad area once it is no longer needed for production or subsequent drilling operations will require an approved reclamation plan addressing a minimum of four feet of nonwaste containing earthen material.

For guestions or additional information, please feel free to contact: Ridgeway Arizona Oil Corp - Charles Hinojosa - 713-574-7912 or chinojosa@pedevco.com. Pima Environmental – DelRae Geller – 806-724-5391 or delrae@pimaoil.com.

Respectfully,

DelRae Geller **Project Manager** 

Pima Environmental Services, LLC

DelRae Geller

#### **Attachments**

#### Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map
- 5- Excavation Map
- 6- Confirmation Sample Map

#### Appendices:

Appendix A - Referenced Water Surveys

Appendix B – Soil Survey and Geological Data

Appendix C - 48-Hour Sampling Notification

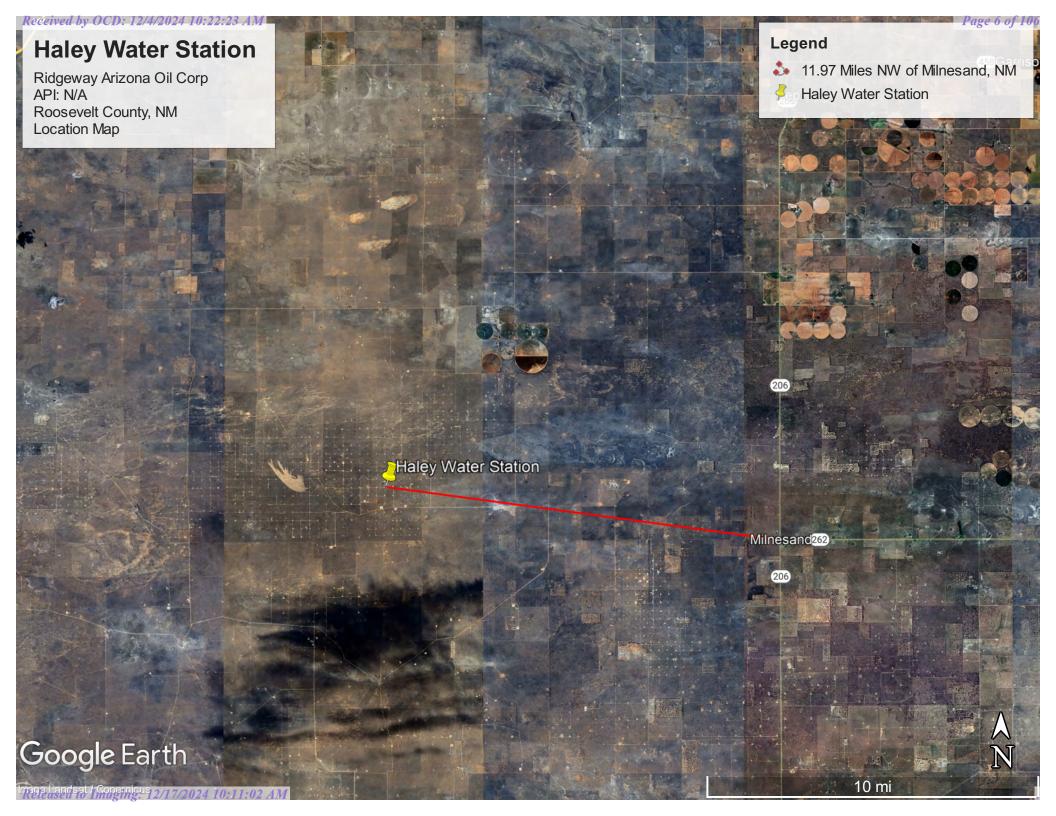
Appendix D – Photographic Documentation

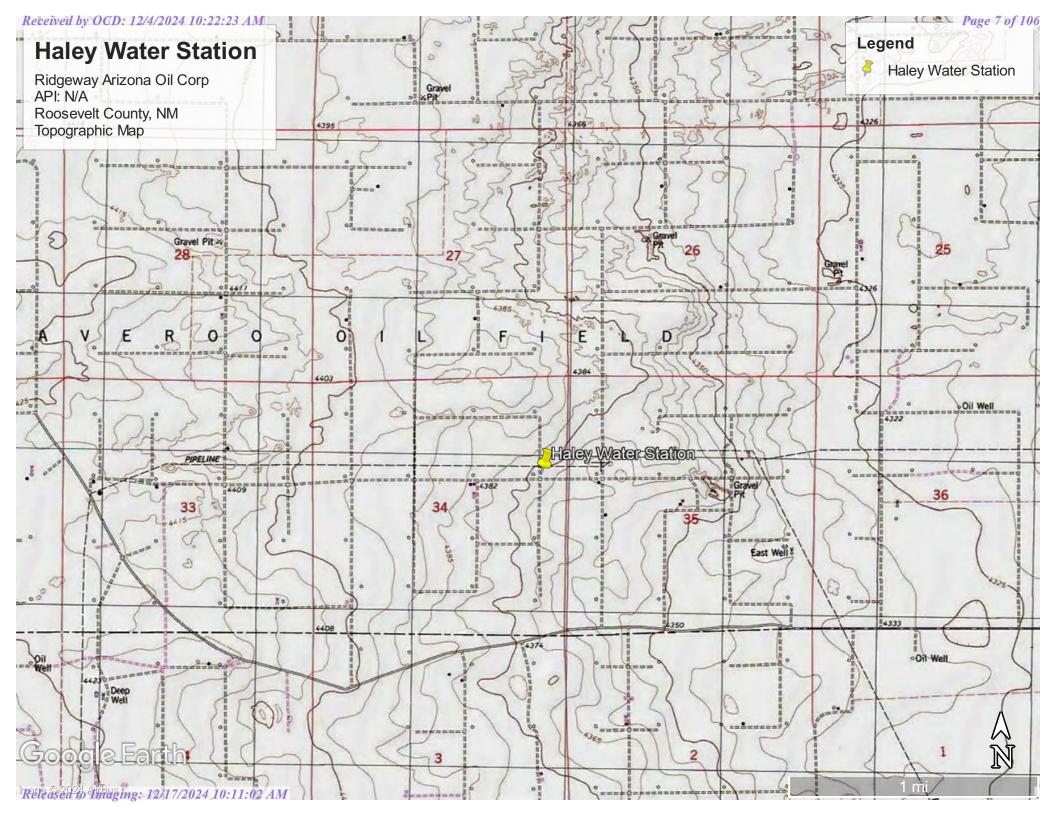
Appendix E – Laboratory Reports

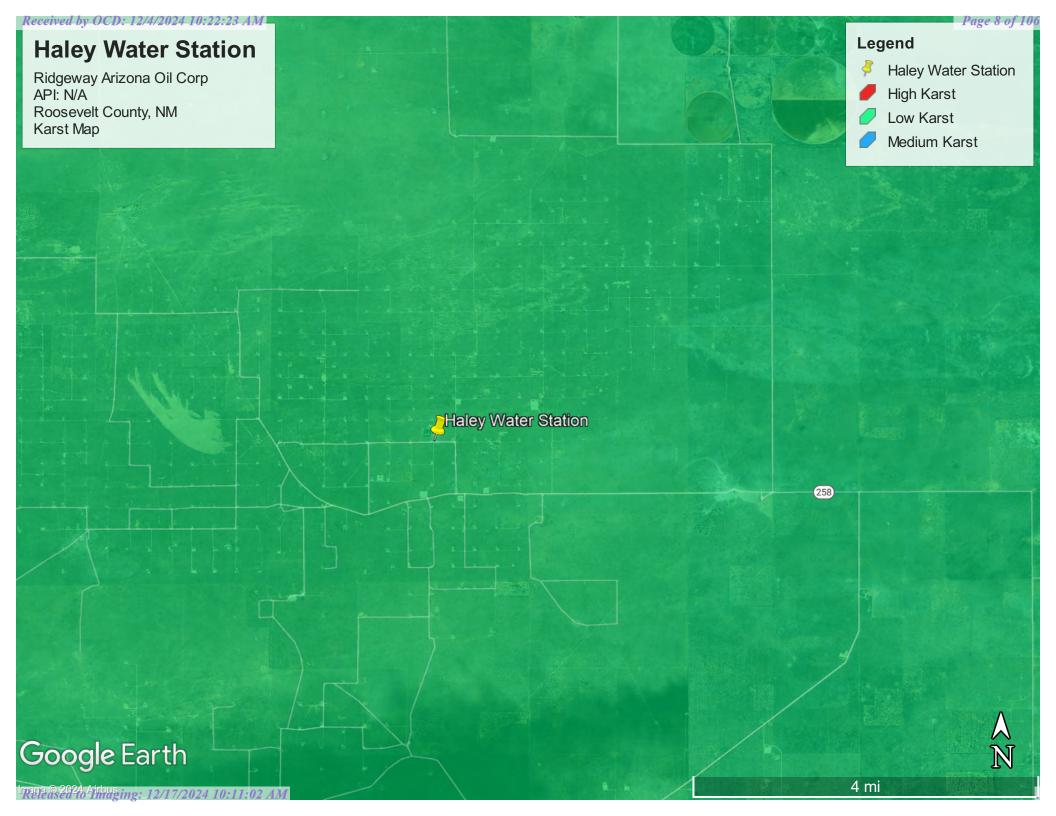


#### Figures:

- 1. Location Map
- 2. Topographic Map
- 3. Karst Map
- 4. Site Map
- 5. Excavation Map
- 6. Confirmation Sample Map















# Appendix A

Water Surveys:

OSE

**USGS** 

Surface Water Map



# New Mexico Office of the State Engineer

# Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is

closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD

		Sub-		Q	Q	Q								W	ater
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	X	Y	DistanceDep	thWellDej	othWater Col	umn
<u>L 13691 POD1</u>		L	LE	1	1	4	22	09S	32E	637362	3725298	2645	150		
CL 00385 POD1		CL	СН	3	3	4	15	08S	33E	634369	3720406	5692	349		
L 14097 POD1		L	LE	1	3	3	06	20S	35E	638740	3718500	8526	61	0	61
CL 00307 POD1		CL	СН	2	3	4	13	08S	32E	628014	3720298	8940	195	165	30
CL 00314 POD1		CL	СН	1	2	2	34	08S	33E	634611	3716897	9184	220	157	63

Average Depth to Water:

107 feet

Minimum Depth:

0 feet

Maximum Depth:

165 feet

Record Count: 5

**UTMNAD83 Radius Search (in meters):** 

Easting (X): 634834.14 Northing (Y): 3726079.62 Radius: 10000

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

2/22/24 10:31 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



# New Mexico Office of the State Engineer Point of Diversion Summary

Vell Tag         POD Number         Q64 Q16 Q4 Sec Tws Rng         Tws Rng         X         Y           Driller License:         1 1 4 22 09S 32E         637362 3725298			(quarters are $1=INW \ 2=INE \ 3=SW \ 4=SE$ )	NE S = SW 4 = SE			
Q64 Q16 Q4         Sec         Tws         Rng           1         1         4         22         09S         32E         63736           4 KEY           5 Prill Finish Date:         02/25/2015           15         PCW Rcv Date:         PCW Rcv Date:           15         PCW Rcv Date:         Poppth Well:         150 feet           Stratifications:         Top Bottom Description           55         65         Sandstone/Graft           70         143         Sandstone/Gra			(quarters are smallest	to largest)	(NAD83 UT	M in meters)	
OD1         1         4         22         09S         32E         63736           Driller Company:         KEY'S DRILLING &           TON KEY         TON III Finish Date:         02/25/2015           9/2015         PCW Rcv Date:         Properties:           Pipe Discharge Size:           Depth Well:         150 feet           Depth Well:         150 feet           55         65         Sandstone/Gra           70         143         Sandstone/Gra		Number	Q64 Q16 Q4 Sec	: Tws Rng	×	Y	
Driller Company:       KEY'S DRILLING &         TON KEY       S/2015       Drill Finish Date:       02/25/2015         9/2015       PCW Rcv Date:       Pipe Discharge Size:       150 feet         Pepth Well:       150 feet         Ting Stratifications:       Top       Bottom       Description         70       143       Sandstone/Gra	L 13	3691 POD1	1 1 4 22	09S 32E	637362	3725298 🌑	
CLINTON KEY         02/25/2015       Drill Finish Date:       02/25/2015         03/09/2015       PCW Rcv Date:       Proposition:         4.50       Depth Well:       150 feet         Bearing Stratifications:       Top       Bottom       Description         70       143       Sandstone/Gra	Oriller License:	1058	Driller Company:	KEY'S DR	ILLING & PU	JMP SERVICE	(*)
02/25/2015         Drill Finish Date:         02/25/2015           03/09/2015         PCW Rcv Date:         Accordance Size:           4.50         Depth Well:         150 feet           Bearing Stratifications:         Top         Bottom         Description           70         143         Sandstone/Gra	Oriller Name:	CLINTON KEY					
e: 03/09/2015 PCW Rev Date:  Pipe Discharge Size: 4.50 Depth Well: 150 feet  Water Bearing Stratifications: Top Bottom Description 55 65 Sandstone/Gra 70 143 Sandstone/Gra	Orill Start Date:	02/25/2015	Drill Finish Date:	02/25/20		g Date:	
Pipe Discharge Size:  4.50 Depth Well: 150 feet  Water Bearing Stratifications: Top Bottom Description  55 65 Sandstone/Gra  70 143 Sandstone/Gra	og File Date:	03/09/2015	PCW Rev Date:		Sou	rce:	Shallow
4.50 Depth Well:  Water Bearing Stratifications: Top Bott  55	ump Type:		Pipe Discharge Size	••	Esti	mated Yield:	$30\mathrm{GPM}$
Top         Botte           55         70         1	Casing Size:	4.50	Depth Well:	150 feet	Dep	th Water:	
<b>T</b>	Wate	r Bearing Stratific		Bottom Desc	ription		
70 143 Sandstone/Gravel/Conglomerate			55	65 Sand	stone/Gravel/	Conglomerate	
			70	143 Sand	stone/Gravel/	Conglomerate	

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

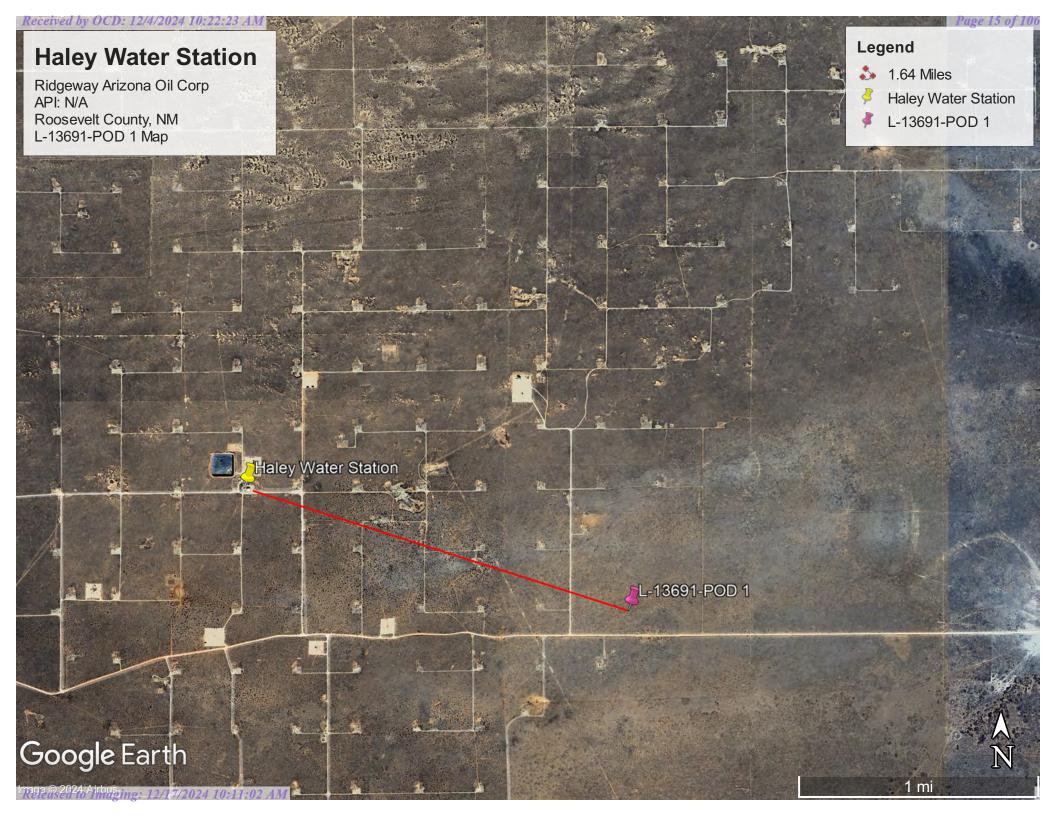
Bottom 150

Top 65

Casing Perforations:

POINT OF DIVERSION SUMMARY

2/22/24 9:47 AM





USGS Home Contact USGS Search USGS

#### **National Water Information System: Web Interface**

USGS Water Resources

Data Category:
Groundwater

Groundwater

Geographic Area:
United States

GO

GO

#### Click to hideNews Bulletins

- Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access realtime water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

#### **Search Results -- 1 sites found**

site\_no list =

• 333942103313401

#### Minimum number of levels = 1

Save file of selected sites to local disk for future upload

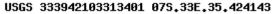
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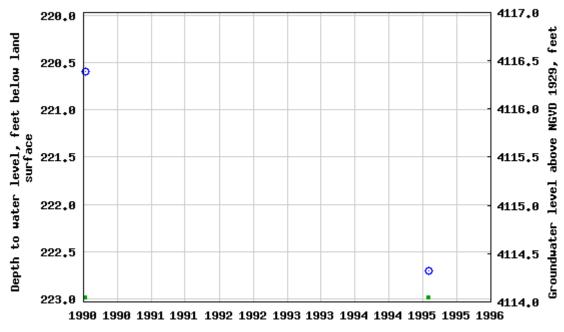
Available data for this site Groundwater: Field measurements GO

Roosevelt County, New Mexico
Hydrologic Unit Code 12080001
Latitude 33°39'43", Longitude 103°31'42" NAD27
Land-surface elevation 4,337.00 feet above NGVD29
The depth of the well is 258 feet below land surface.
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.

Output formats

# Table of data Tab-separated data Graph of data Reselect period





Period of approved data

Breaks in the plot represent a gap of at least one year between field measurements. <u>Download a presentation-quality graph</u>

Questions or Comments
Automated retrievals
Help
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U.S. Department of the Interior | U.S. Geological Survey

**Title: Groundwater for USA: Water Levels** 

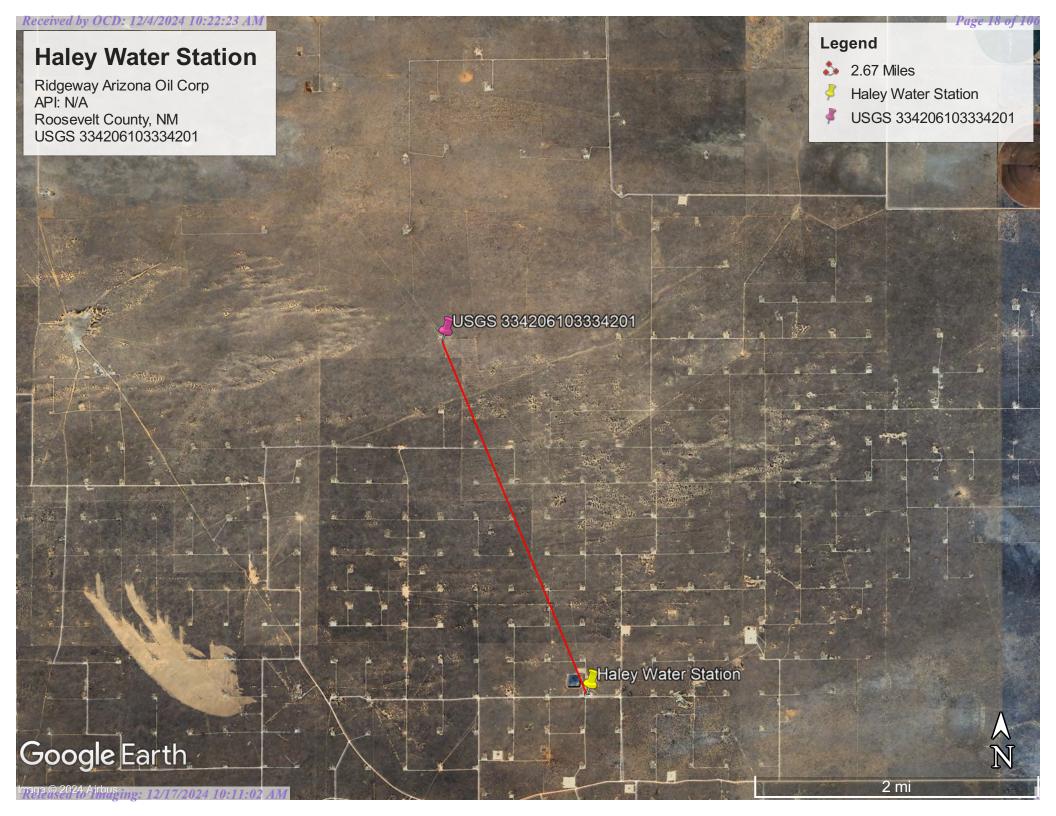
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

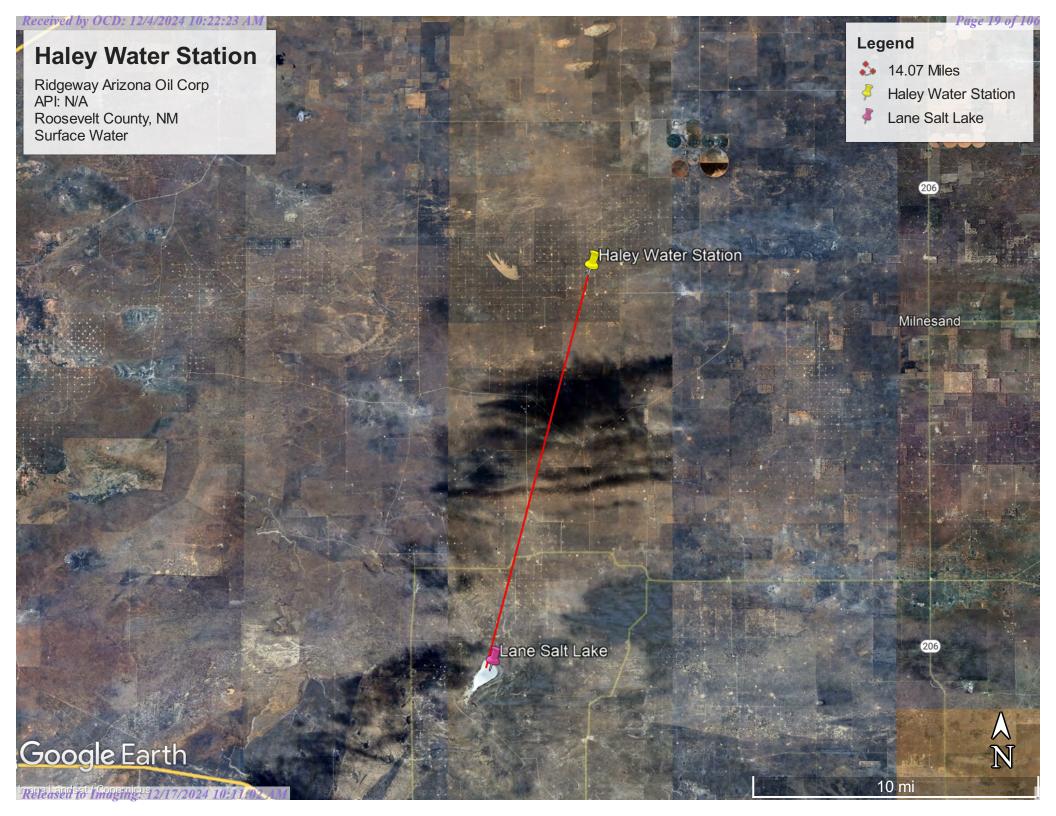
Page Contact Information: <u>USGS Water Data Support Team</u>

Page Last Modified: 2024-02-26 10:01:19 EST

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# Appendix B

Soil Survey & Geological Data FEMA Flood Map Wetlands Map

#### **Roosevelt County, New Mexico**

#### AqB—Amarose loamy fine sand, 0 to 3 percent slopes

#### **Map Unit Setting**

National map unit symbol: 1idyj Elevation: 2,500 to 4,600 feet

Mean annual precipitation: 14 to 16 inches Mean annual air temperature: 57 to 63 degrees F

Frost-free period: 180 to 220 days

Farmland classification: Not prime farmland

#### **Map Unit Composition**

Amarose and similar soils: 85 percent *Minor components:* 15 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

#### **Description of Amarose**

#### Setting

Landform: Plains

Down-slope shape: Linear Across-slope shape: Linear

Parent material: Loamy eolian deposits

#### Typical profile

A - 0 to 10 inches: loamy fine sand Bt1 - 10 to 34 inches: sandy clay loam Bt2 - 34 to 42 inches: fine sandy loam

Btk - 42 to 80 inches: loam

#### **Properties and qualities**

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 55 percent Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Moderate (about 8.2

inches)

#### Interpretive groups

Land capability classification (irrigated): 3e Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: B



Map Unit Description: Amarose loamy fine sand, 0 to 3 percent slopes---Roosevelt County, New Mexico

Ecological site: R077DY046TX - Sandy 12-17" PZ

Hydric soil rating: No

#### **Minor Components**

#### Elida

Percent of map unit: 8 percent Landform: Playa slopes, plains

Landform position (two-dimensional): Backslope

Down-slope shape: Linear

Across-slope shape: Concave, linear

Ecological site: R077DY046TX - Sandy 12-17" PZ

Hydric soil rating: No

#### Douro

Percent of map unit: 4 percent

Landform: Plains

Down-slope shape: Linear Across-slope shape: Linear

Ecological site: R077DY046TX - Sandy 12-17" PZ

Hydric soil rating: No

#### **Triomas**

Percent of map unit: 3 percent

Landform: Plains

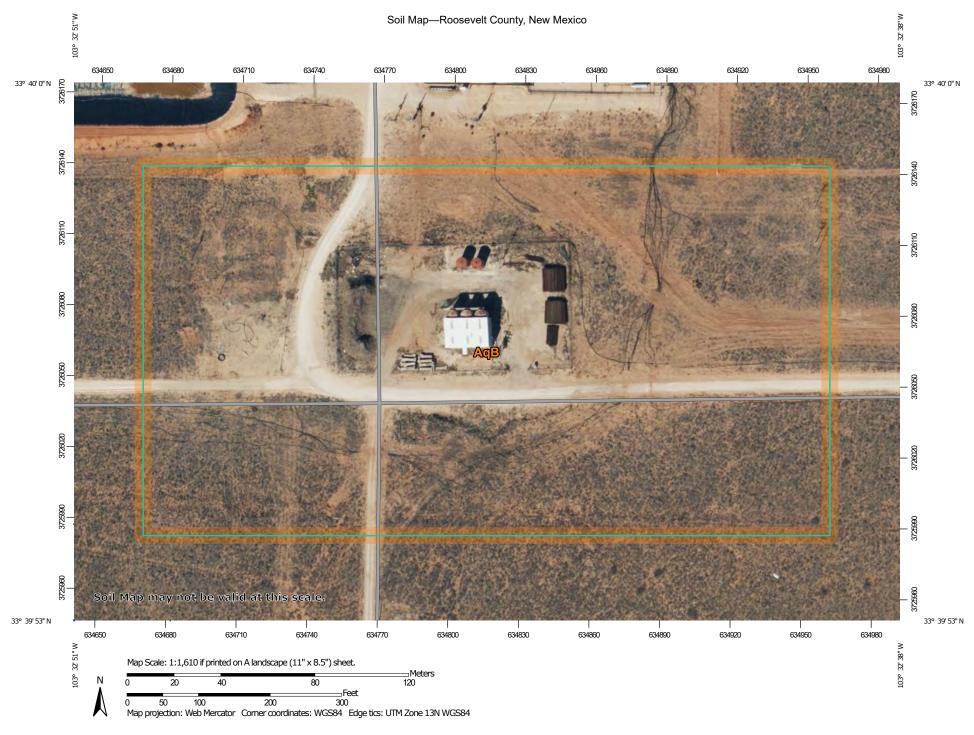
Down-slope shape: Convex Across-slope shape: Linear

Ecological site: R077DY046TX - Sandy 12-17" PZ

Hydric soil rating: No

#### **Data Source Information**

Soil Survey Area: Roosevelt County, New Mexico Survey Area Data: Version 20, Sep 7, 2023



#### MAP LEGEND

â

0

Δ

**Water Features** 

Transportation

---

Background

Spoil Area

Stony Spot

Wet Spot

Other

Rails

**US Routes** 

Major Roads

Local Roads

Very Stony Spot

Special Line Features

Streams and Canals

Interstate Highways

Aerial Photography

#### Area of Interest (AOI)

Area of Interest (AOI)

#### Soils

Soil Map Unit Polygons



Soil Map Unit Points

#### **Special Point Features**

Blowout

Borrow Pit

Clay Spot

Closed Depression

Gravel Pit

Gravelly Spot

Landfill

Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

→ Saline Spot

Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Sodic Spot

#### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24.000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Roosevelt County, New Mexico Survey Area Data: Version 21, Sep 3, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 5, 2021—Feb 8, 2021

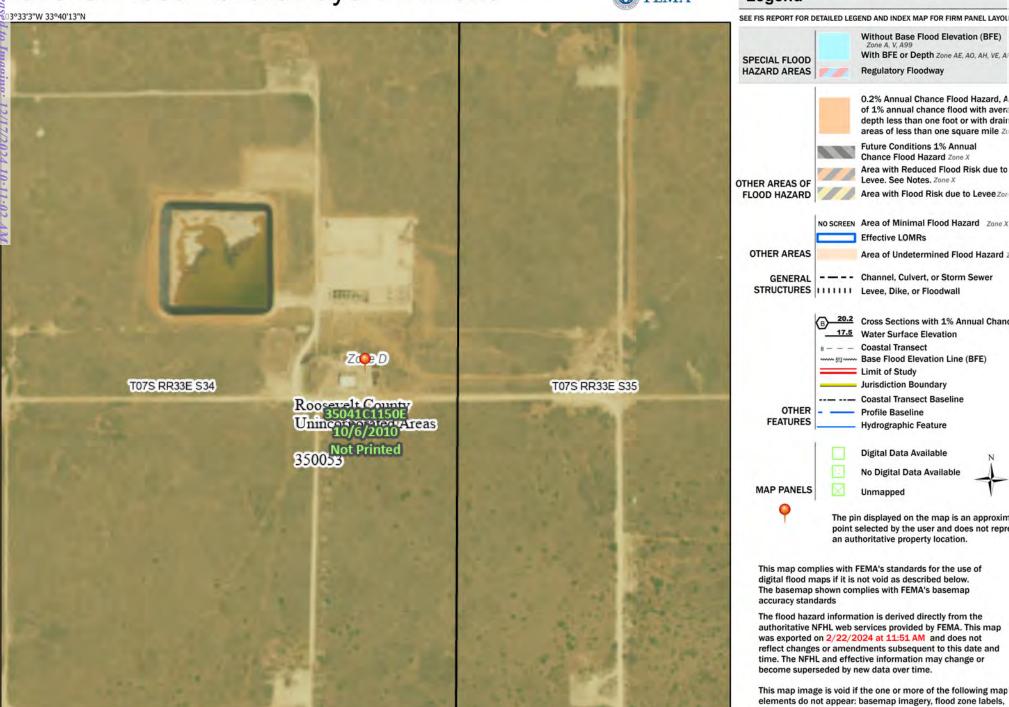
The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

# **Map Unit Legend**

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AqB	Amarose loamy fine sand, 0 to 3 percent slopes	11.3	100.0%
Totals for Area of Interest		11.3	100.0%

# National Flood Hazard Layer FIRMette





Feet

2,000

250

500

1,000

1,500

1:6,000

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, A **Regulatory Floodway** 

> 0.2% Annual Chance Flood Hazard, Arias of 1% annual chance flood with average depth less than one foot or with drain areas of less than one square mile Zo **Future Conditions 1% Annual**

Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X

NO SCREEN Area of Minimal Flood Hazard Zone X

Area of Undetermined Flood Hazard Zone D

- - - Channel, Culvert, or Storm Sewer

20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation **Coastal Transect** 

Base Flood Elevation Line (BFE)

Jurisdiction Boundary **Coastal Transect Baseline** 

Hydrographic Feature

Digital Data Available No Digital Data Available

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/22/2024 at 11:51 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for 🍮 unmapped and unmodernized areas cannot be used for regulatory purposes.

103°32'26"W 33°39'43"N



#### U.S. Fish and Wildlife Service

# **National Wetlands Inventory**

# Wetlands



February 22, 2024

#### Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond



Other



This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



# Appendix C

48-Hour Sampling Notification

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

### **State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505**

QUESTIONS

Action 390323

#### **QUESTIONS**

Operator: RIDGEWAY ARIZONA OIL CORP.	OGRID: 164557
575 N. Dairy Ashford Houston, TX 77079	Action Number: 390323
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)
QUESTIONS	•
Prerequisites	
Incident ID (n#)	nAB1906042331

Incident Name	NAB1906042331 HALEY WATER STATION @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Facility	[fCH1903857157] HALEY WATER STATION

Location of Release Source				
Site Name	HALEY WATER STATION			
Date Release Discovered	02/13/2019			
Surface Owner	State			

Sampling Event General Information  Please answer all the questions in this group.				
What is the sampling surface area in square feet	400			
What is the estimated number of samples that will be gathered	4			
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/08/2024			
Time sampling will commence	04:00 PM			

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers	Andrew Franco (806) 200-0054
Please provide any information necessary for navigation to sampling site	33.665939, -103.545737

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505** 

CONDITIONS

Action 390323

#### **CONDITIONS**

Operator:	OGRID:
RIDGEWAY ARIZONA OIL CORP.	164557
575 N. Dairy Ashford	Action Number:
Houston, TX 77079	390323
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

#### CONDITIONS

Created By	Condition	Condition Date
chinojosa	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/7/2024



# Appendix D

Photographic Documentation



#### PHOTOGRAPHIC DOCUMENTATION

#### **SITE NAME: Haley Water Station**

#### Assessment



Site information sign.



Photo of the site tech assessing the release area.

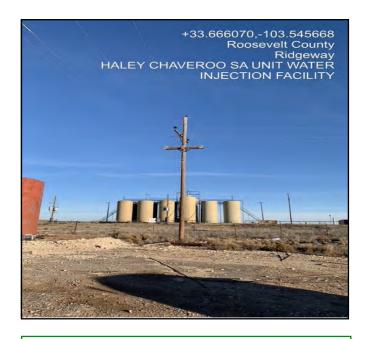


Photo of the site tech assessing the release area.

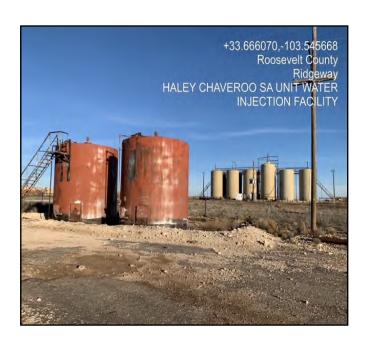


Photo of the site tech assessing the release area.



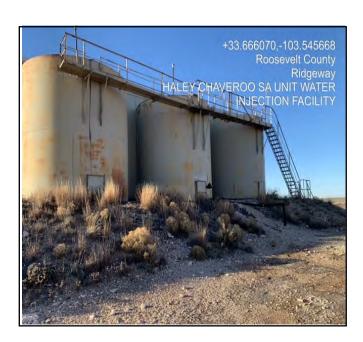


Photo of the site tech assessing the release area.



Photo of the site tech assessing the release area.

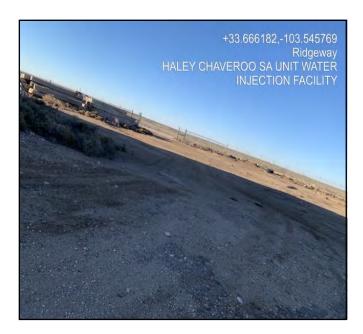


Photo of the site tech assessing the release area.

# Page 34 of 106

#### PHOTOGRAPHIC DOCUMENTATION

#### **SITE NAME: Haley Water Station**

#### **Pre-Excavation**



Photograph of the release area prior to the start of the excavation facing East.



Photograph of the release area prior to the start of the excavation facing Northwest.



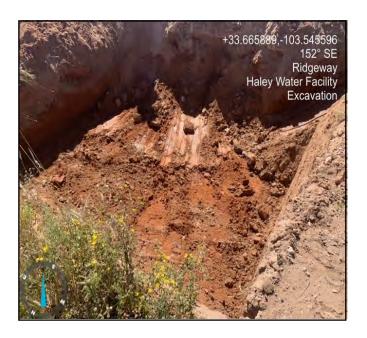
Photograph of the release area prior to the start of the excavation facing Southeast.



#### PHOTOGRAPHIC DOCUMENTATION

#### **SITE NAME: Haley Water Station**

#### **Excavation**



Photograph of the excavation process facing Southeast.



Photograph of the excavation process facing Northeast.



Photograph of the excavation process facing Southeast.



Photograph of the excavation process facing West.



#### PHOTOGRAPHIC DOCUMENTATION

#### **SITE NAME: Haley Water Station**

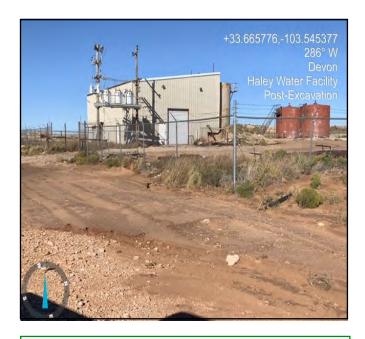
#### **Backfill**



Photograph of the excavation completed facing Northwest.



Photograph of the excavation completed facing Northeast.



Photograph of the excavation completed facing West.



Photograph of the excavation completed facing Northeast.



### Appendix E

**Laboratory Reports** 

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

### Pima Environmental Services-Carlsbad

Project Name: Haley Chavaroo SA Unit Water

Injection facility

Work Order: E402054

Job Number: 21064-0001

Received: 2/6/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 2/13/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 2/13/24

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: Haley Chavaroo SA Unit Water Injection facility

Workorder: E402054

Date Received: 2/6/2024 7:51:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/6/2024 7:51:00AM, under the Project Name: Haley Chavaroo SA Unit Water Injection facility.

The analytical test results summarized in this report with the Project Name: Haley Chavaroo SA Unit Water Injection facility apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

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Raina Schwanz

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Envirotech Web Address: www.envirotech-inc.com

### **Table of Contents**

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
S1 - 2'	7
S1 - 3'	8
S1 - 4'	9
S2 - 1'	10
S2 - 2	11
S2-3'	12
S2-4'	13
S3-1'	14
S3-2'	15
S3-3'	16
S3-4'	17
S4-1'	18
S4-2'	19
S4-3'	20
S4-4'	21
SW1	22
SW2	23
SW3	24
SW4	25
SW5	26
SW6	27

# Table of Contents (continued)

	SW7	28
	SW8	29
	SW9	30
	SW10	31
	SW11	32
	BG1	33
Q	C Summary Data	34
	QC - Volatile Organic Compounds by EPA8260B	34
	QC - Nonhalogenated Organics by EPA 8015D - GRO	36
	QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	38
	QC - Anions by EPA 300.0/9056A	40
De	efinitions and Notes	42
CI	nain of Custody etc.	43

### Sample Summary

Pima Environmental	Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	Reported:
PO Box 247		Project Number:	21064-0001	Reporteu:
Plains TX, 79355-02-	47	Project Manager:	Tom Bynum	02/13/24 14:58

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E402054-01A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S1 - 2'	E402054-02A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S1 - 3'	E402054-03A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S1 - 4'	E402054-04A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S2 - 1'	E402054-05A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S2 - 2	E402054-06A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S2-3'	E402054-07A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S2-4'	E402054-08A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S3-1'	E402054-09A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S3-2'	E402054-10A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S3-3'	E402054-11A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S3-4'	E402054-12A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S4-1'	E402054-13A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S4-2'	E402054-14A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S4-3'	E402054-15A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
S4-4'	E402054-16A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
SW1	E402054-17A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
SW2	E402054-18A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
SW3	E402054-19A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
SW4	E402054-20A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
SW5	E402054-21A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
SW6	E402054-22A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
SW7	E402054-23A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
SW8	E402054-24A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
SW9	E402054-25A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
SW10	E402054-26A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
SW11	E402054-27A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.
BG1	E402054-28A	Soil	02/03/24	02/06/24	Glass Jar, 2 oz.

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

### S1 - 1' E402054-01

		E402054-01					
	D. I	Reporting			D 1		N
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2406039
Benzene	ND	0.0250		1	02/06/24	02/07/24	
Ethylbenzene	ND	0.0250		1	02/06/24	02/07/24	
Toluene	ND	0.0250		1	02/06/24	02/07/24	
o-Xylene	ND	0.0250		1	02/06/24	02/07/24	
p,m-Xylene	ND	0.0500		1	02/06/24	02/07/24	
Total Xylenes	ND	0.0250		1	02/06/24	02/07/24	
Surrogate: Bromofluorobenzene		108 %	70-130		02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130		02/06/24	02/07/24	
Surrogate: Toluene-d8		95.3 %	70-130		02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2406039
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/06/24	02/07/24	
Surrogate: Bromofluorobenzene		108 %	70-130		02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130		02/06/24	02/07/24	
Surrogate: Toluene-d8		95.3 %	70-130		02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2406078
Diesel Range Organics (C10-C28)	ND	25.0	_	1	02/08/24	02/08/24	
Oil Range Organics (C28-C36)	ND	50.0		1	02/08/24	02/08/24	
Surrogate: n-Nonane		112 %	50-200		02/08/24	02/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: IY		Batch: 2406057
Chloride	ND	20.0		1	02/06/24	02/07/24	



Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

S1 - 2' E402054-02

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2406039
Benzene	ND	0.0250		1	02/06/24	02/07/24	
Ethylbenzene	ND	0.0250		1	02/06/24	02/07/24	
Toluene	ND	0.0250		1	02/06/24	02/07/24	
o-Xylene	ND	0.0250		1	02/06/24	02/07/24	
p,m-Xylene	ND	0.0500		1	02/06/24	02/07/24	
Total Xylenes	ND	0.0250		1	02/06/24	02/07/24	
Surrogate: Bromofluorobenzene		106 %	70-130		02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		02/06/24	02/07/24	
Surrogate: Toluene-d8		95.7 %	70-130		02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2406039
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/06/24	02/07/24	
Surrogate: Bromofluorobenzene		106 %	70-130		02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		02/06/24	02/07/24	
Surrogate: Toluene-d8		95.7 %	70-130		02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2406078
Diesel Range Organics (C10-C28)	ND	25.0		1	02/08/24	02/08/24	
Oil Range Organics (C28-C36)	ND	50.0		1	02/08/24	02/08/24	
Surrogate: n-Nonane		113 %	50-200		02/08/24	02/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2406057
Chloride	ND	20.0	•	1	02/06/24	02/07/24	

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

S1 - 3' E402054-03

		2.0200.00					
Analyte	Result	Reporting Limit		ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2406039
Renzene	ND	0.0250	1	1	02/06/24	02/07/24	
Ethylbenzene	ND	0.0250	1	1	02/06/24	02/07/24	
Toluene	ND	0.0250	1	1	02/06/24	02/07/24	
o-Xylene	ND	0.0250	1	1	02/06/24	02/07/24	
p,m-Xylene	ND	0.0500	1	1	02/06/24	02/07/24	
Total Xylenes	ND	0.0250	1	1	02/06/24	02/07/24	
Surrogate: Bromofluorobenzene		110 %	70-130		02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		02/06/24	02/07/24	
Surrogate: Toluene-d8		95.5 %	70-130		02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2406039
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	02/06/24	02/07/24	
Surrogate: Bromofluorobenzene		110 %	70-130		02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		02/06/24	02/07/24	
Surrogate: Toluene-d8		95.5 %	70-130		02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2406078
Diesel Range Organics (C10-C28)	ND	25.0	1	1	02/08/24	02/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	02/08/24	02/08/24	
Surrogate: n-Nonane		112 %	50-200		02/08/24	02/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2406057
Chloride	ND	20.0		1	02/06/24	02/07/24	

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

#### S1 - 4'

	E402054-04				
	Reporting				
Result	Limit	Diluti	ion Prepared	Analyzed	Notes
mg/kg	mg/kg	A	analyst: IY		Batch: 2406039
ND	0.0250	1	02/06/24	02/07/24	
ND	0.0250	1	02/06/24	02/07/24	
ND	0.0250	1	02/06/24	02/07/24	
ND	0.0250	1	02/06/24	02/07/24	
ND	0.0500	1	02/06/24	02/07/24	
ND	0.0250	1	02/06/24	02/07/24	
	109 %	70-130	02/06/24	02/07/24	
	96.6 %	70-130	02/06/24	02/07/24	
	95.0 %	70-130	02/06/24	02/07/24	
mg/kg	mg/kg	A	analyst: IY		Batch: 2406039
ND	20.0	1	02/06/24	02/07/24	
	109 %	70-130	02/06/24	02/07/24	
	96.6 %	70-130	02/06/24	02/07/24	
	95.0 %	70-130	02/06/24	02/07/24	
mg/kg	mg/kg	A	analyst: KM		Batch: 2406078
25.8	25.0	1	02/08/24	02/09/24	
ND	50.0	1	02/08/24	02/09/24	
	116 %	50-200	02/08/24	02/09/24	
mg/kg	mg/kg	A	analyst: IY		Batch: 2406057
	mg/kg ND ND ND ND ND ND ND ND ND	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           I09 %         96.6 %           95.0 %         mg/kg           MD         20.0           109 %         96.6 %           95.0 %         mg/kg           mg/kg         mg/kg           25.8         25.0           ND         50.0	Reporting           Result         Limit         Dilut           mg/kg         mg/kg         A           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           109 %         70-130           96.6 %         70-130           95.0 %         70-130           mg/kg         mg/kg           A         70-130           96.6 %         70-130           95.0 %         70-130           mg/kg         mg/kg           A         70-130           mg/kg         mg/kg           A         25.0 %           ND         50.0           1         1	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         02/06/24           ND         0.0250         1         02/06/24           ND         0.0250         1         02/06/24           ND         0.0250         1         02/06/24           ND         0.0500         1         02/06/24           ND         0.0250         1         02/06/24           96.6%         70-130         02/06/24           95.0%         70-130         02/06/24           95.0%         70-130         02/06/24           109%         70-130         02/06/24           96.6%         70-130         02/06/24           95.0%         70-130         02/06/24           95.0%         70-130         02/06/24           95.0%         70-130         02/06/24           95.0%         70-130         02/06/24           95.0%         70-130         02/06/24           mg/kg         mg/kg         Analyst: KM           25.8         25.0         1         02/08/24      <	Reporting           Result         Limit         Dilution         Prepared         Analyzed           MB/kg         mg/kg         Analyst: IY         Analysed           ND         0.0250         1         02/06/24         02/07/24           ND         0.0250         1         02/06/24         02/07/24           ND         0.0250         1         02/06/24         02/07/24           ND         0.0500         1         02/06/24         02/07/24           ND         0.0250         1         02/06/24         02/07/24           ND         0.0250         1         02/06/24         02/07/24           ND         0.0250         1         02/06/24         02/07/24           96.6%         70-130         02/06/24         02/07/24           95.0%         70-130         02/06/24         02/07/24           95.0%         70-130         02/06/24         02/07/24           95.0%         70-130         02/06/24         02/07/24           95.0%         70-130         02/06/24         02/07/24           95.0%         70-130         02/06/24         02/07/24           95.0%         70-130         02/06/24



Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

S2 - 1'

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2406039
Benzene	ND	0.0250	1	1	02/06/24	02/07/24	
Ethylbenzene	ND	0.0250	1	1	02/06/24	02/07/24	
Toluene	ND	0.0250	1	1	02/06/24	02/07/24	
o-Xylene	ND	0.0250	1	1	02/06/24	02/07/24	
p,m-Xylene	ND	0.0500	1	1	02/06/24	02/07/24	
Total Xylenes	ND	0.0250	1	l	02/06/24	02/07/24	
Surrogate: Bromofluorobenzene		108 %	70-130		02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		02/06/24	02/07/24	
Surrogate: Toluene-d8		95.2 %	70-130		02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2406039
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	02/06/24	02/07/24	
Surrogate: Bromofluorobenzene		108 %	70-130		02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		02/06/24	02/07/24	
Surrogate: Toluene-d8		95.2 %	70-130		02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2406078
Diesel Range Organics (C10-C28)	ND	25.0	1	1	02/08/24	02/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	02/08/24	02/08/24	
Surrogate: n-Nonane		111 %	50-200		02/08/24	02/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2406057

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

S2 - 2 E402054-06

Analyte	Result	Reporting Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst			Batch: 2406039
Benzene	ND	0.0250		1	02/06/24	02/07/24	Batch: 2 100033
Ethylbenzene	ND	0.0250		1	02/06/24	02/07/24	
Toluene	ND	0.0250		1	02/06/24	02/07/24	
o-Xylene	ND	0.0250		1	02/06/24	02/07/24	
p,m-Xylene	ND	0.0500		1	02/06/24	02/07/24	
Total Xylenes	ND	0.0250		1	02/06/24	02/07/24	
Surrogate: Bromofluorobenzene		108 %	70-130		02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		02/06/24	02/07/24	
Surrogate: Toluene-d8		96.2 %	70-130		02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2406039
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/06/24	02/07/24	
Surrogate: Bromofluorobenzene		108 %	70-130		02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		02/06/24	02/07/24	
Surrogate: Toluene-d8		96.2 %	70-130		02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2406078
Diesel Range Organics (C10-C28)	ND	25.0		1	02/08/24	02/08/24	
Oil Range Organics (C28-C36)	ND	50.0		1	02/08/24	02/08/24	
Surrogate: n-Nonane	·	113 %	50-200		02/08/24	02/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: IY		Batch: 2406057
Chloride	ND	20.0		1	02/06/24	02/07/24	

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

### S2-3' E402054-07

Analyte	Result	Reporting Limit	Dil	lution	Prepared	Analyzed	Notes
	mg/kg	mg/kg		Analyst:		1 mary 200	Batch: 2406039
Volatile Organic Compounds by EPA 8260B  Benzene	ND	0.0250		1	02/06/24	02/07/24	Batch: 2400037
Ethylbenzene	ND	0.0250		1	02/06/24	02/07/24	
Toluene	ND	0.0250		1	02/06/24	02/07/24	
o-Xylene	ND	0.0250		1	02/06/24	02/07/24	
p,m-Xylene	ND	0.0500		1	02/06/24	02/07/24	
Total Xylenes	ND	0.0250		1	02/06/24	02/07/24	
Surrogate: Bromofluorobenzene		108 %	70-130		02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		02/06/24	02/07/24	
Surrogate: Toluene-d8		94.8 %	70-130		02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2406039
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/06/24	02/07/24	
Surrogate: Bromofluorobenzene		108 %	70-130		02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		02/06/24	02/07/24	
Surrogate: Toluene-d8		94.8 %	70-130		02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2406078
Diesel Range Organics (C10-C28)	ND	25.0		1	02/08/24	02/08/24	
Oil Range Organics (C28-C36)	ND	50.0		1	02/08/24	02/08/24	
Surrogate: n-Nonane		112 %	50-200		02/08/24	02/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: IY		Batch: 2406057
Chloride	ND	20.0		1	02/06/24	02/07/24	



Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

#### S2-4'

		Reporting					
Analyte	Result	Limit	Dilut	tion F	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2406039
Benzene	ND	0.0250	1	C	02/06/24	02/07/24	
Ethylbenzene	ND	0.0250	1	C	02/06/24	02/07/24	
Toluene	ND	0.0250	1	C	02/06/24	02/07/24	
o-Xylene	ND	0.0250	1	C	02/06/24	02/07/24	
p,m-Xylene	ND	0.0500	1	C	02/06/24	02/07/24	
Total Xylenes	ND	0.0250	1	C	02/06/24	02/07/24	
Surrogate: Bromofluorobenzene		108 %	70-130	C	02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	6	02/06/24	02/07/24	
Surrogate: Toluene-d8		95.1 %	70-130	a	02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: IY			Batch: 2406039
Gasoline Range Organics (C6-C10)	ND	20.0	1	C	02/06/24	02/07/24	
Surrogate: Bromofluorobenzene		108 %	70-130	6	02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	0	02/06/24	02/07/24	
Surrogate: Toluene-d8		95.1 %	70-130	C	02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM			Batch: 2406078
Diesel Range Organics (C10-C28)	ND	25.0	1	0	02/08/24	02/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	C	02/08/24	02/08/24	
Surrogate: n-Nonane		112 %	50-200		02/08/24	02/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: IY			Batch: 2406057
	ND	20.0			02/06/24	02/07/24	<u>"</u>



Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

### S3-1' E402054-09

	Reporting					
Result	Limit	Dil	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2406039
ND	0.0250		1	02/06/24	02/07/24	
ND	0.0250		1	02/06/24	02/07/24	
ND	0.0250		1	02/06/24	02/07/24	
ND	0.0250		1	02/06/24	02/07/24	
ND	0.0500		1	02/06/24	02/07/24	
ND	0.0250		1	02/06/24	02/07/24	
	107 %	70-130		02/06/24	02/07/24	
	99.3 %	70-130		02/06/24	02/07/24	
	95.6 %	70-130		02/06/24	02/07/24	
mg/kg	mg/kg		Analyst:	IY		Batch: 2406039
ND	20.0		1	02/06/24	02/07/24	
	107 %	70-130		02/06/24	02/07/24	
	99.3 %	70-130		02/06/24	02/07/24	
	95.6 %	70-130		02/06/24	02/07/24	
mg/kg	mg/kg		Analyst:	KM		Batch: 2406078
59.9	25.0		1	02/08/24	02/09/24	
90.2	50.0		1	02/08/24	02/09/24	
	111 %	50-200	·	02/08/24	02/09/24	
mg/kg	mg/kg		Analyst:	: IY		Batch: 2406057
ND	20.0		1	02/06/24	02/07/24	
	ND Mg/kg ND  mg/kg 59.9 90.2	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           IO7 %         99.3 %           95.6 %         mg/kg           ND         20.0           107 %         99.3 %           99.3 %         95.6 %           mg/kg         mg/kg           59.9         25.0           90.2         50.0           111 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dil           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           107 %         70-130           99.3 %         70-130           95.6 %         70-130           mg/kg         mg/kg           ND         20.0           107 %         70-130           99.3 %         70-130           95.6 %         70-130           mg/kg         mg/kg           59.9         25.0           90.2         50.0           111 %         50-200           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Analyst:           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           107 %         70-130           99.3 %         70-130           mg/kg         mg/kg         Analyst:           ND         20.0         1           107 %         70-130         99.3 %           99.3 %         70-130         95.6 %           mg/kg         mg/kg         Analyst:           59.9         25.0         1           90.2         50.0         1           mg/kg         mg/kg         Analyst:	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         02/06/24           ND         0.0250         1         02/06/24           ND         0.0250         1         02/06/24           ND         0.0250         1         02/06/24           ND         0.0500         1         02/06/24           ND         0.0250         1         02/06/24           ND         70-130         02/06/24           99.3 %         70-130         02/06/24           95.6 %         70-130         02/06/24           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         02/06/24           99.3 %         70-130         02/06/24           99.3 %         70-130         02/06/24           95.6 %         70-130         02/06/24           95.6 %         70-130         02/06/24           mg/kg         mg/kg         Analyst: KM           59.9         25.0         1         02/08/24           90.2         50.0         1         02/08/24           mg/kg	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         V           ND         0.0250         1         02/06/24         02/07/24           ND         0.0500         1         02/06/24         02/07/24           ND         0.0250         1         02/06/24         02/07/24           ND         0.0250         1         02/06/24         02/07/24           99.3 %         70-130         02/06/24         02/07/24           99.3 %         70-130         02/06/24         02/07/24           95.6 %         70-130         02/06/24         02/07/24           99.3 %         70-130         02/06/24         02/07/24           99.3 %         70-130         02/06/24         02/07/24           95.6 %         70-130         02/06/24         02/07/24           95.6 %         70-130         02/06/24         02/07/24



Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

### S3-2' E402054-10

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Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

### S3-3' E402054-11

		E402034-11				
Analyte	Result	Reporting Limit	Dilut	ion Prepared	Analyzed	Notes
Analyte				1	Anaryzeu	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2406039
Benzene	ND	0.0250	1	02/06/24	02/07/24	
Ethylbenzene	ND	0.0250	1	02/06/24	02/07/24	
Toluene	ND	0.0250	1	02/06/24	02/07/24	
o-Xylene	ND	0.0250	1	02/06/24	02/07/24	
p,m-Xylene	ND	0.0500	1	02/06/24	02/07/24	
Total Xylenes	ND	0.0250	1	02/06/24	02/07/24	
Surrogate: Bromofluorobenzene		109 %	70-130	02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	02/06/24	02/07/24	
Surrogate: Toluene-d8		94.8 %	70-130	02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2406039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/07/24	
Surrogate: Bromofluorobenzene		109 %	70-130	02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	02/06/24	02/07/24	
Surrogate: Toluene-d8		94.8 %	70-130	02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: KM		Batch: 2406078
Diesel Range Organics (C10-C28)	138	50.0	2	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	173	100	2	02/08/24	02/09/24	
Surrogate: n-Nonane		113 %	50-200	02/08/24	02/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2406057
Chloride	ND	20.0	1	02/06/24	02/07/24	



Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

#### S3-4'

E40	 134	/	,

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: Γ	Y		Batch: 2406039
Benzene	ND	0.0250	1		02/06/24	02/07/24	
Ethylbenzene	ND	0.0250	1		02/06/24	02/07/24	
Toluene	ND	0.0250	1		02/06/24	02/07/24	
o-Xylene	ND	0.0250	1		02/06/24	02/07/24	
p,m-Xylene	ND	0.0500	1		02/06/24	02/07/24	
Total Xylenes	ND	0.0250	1		02/06/24	02/07/24	
Surrogate: Bromofluorobenzene		108 %	70-130		02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		02/06/24	02/07/24	
Surrogate: Toluene-d8		94.4 %	70-130		02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: Γ	Y		Batch: 2406039
Gasoline Range Organics (C6-C10)	ND	20.0	1		02/06/24	02/07/24	
Surrogate: Bromofluorobenzene		108 %	70-130		02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		02/06/24	02/07/24	
Surrogate: Toluene-d8		94.4 %	70-130		02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: K	KM		Batch: 2406078
Diesel Range Organics (C10-C28)	ND	25.0	1		02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1		02/08/24	02/09/24	
Surrogate: n-Nonane		116 %	50-200		02/08/24	02/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: Γ	Y		Batch: 2406057

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

### S4-1' E402054-13

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2406039
Benzene	ND	0.0250		1	02/06/24	02/07/24	
Ethylbenzene	ND	0.0250		1	02/06/24	02/07/24	
Toluene	ND	0.0250		1	02/06/24	02/07/24	
o-Xylene	ND	0.0250		1	02/06/24	02/07/24	
p,m-Xylene	ND	0.0500		1	02/06/24	02/07/24	
Total Xylenes	ND	0.0250	į	1	02/06/24	02/07/24	
Surrogate: Bromofluorobenzene		107 %	70-130		02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		02/06/24	02/07/24	
Surrogate: Toluene-d8		94.7 %	70-130		02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2406039
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/06/24	02/07/24	
Surrogate: Bromofluorobenzene		107 %	70-130		02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		02/06/24	02/07/24	
Surrogate: Toluene-d8		94.7 %	70-130		02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2406078
Diesel Range Organics (C10-C28)	113	25.0		1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	126	50.0		1	02/08/24	02/09/24	
Surrogate: n-Nonane		117 %	50-200		02/08/24	02/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2406057
	ND	20.0			02/06/24	02/07/24	·



Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

### S4-2' E402054-14

		2.0200111					
Analyte	Result	Reporting Limit	Dilut	tion F	Prepared	Analyzed	Notes
	mg/kg	mg/kg		Analyst: IY	Paren	1 11111, 200	Batch: 2406039
Volatile Organic Compounds by EPA 8260B	ND	0.0250	1	-	2/06/24	02/07/24	Batch: 2400037
Benzene	ND ND	0.0250	1		12/06/24	02/07/24	
Ethylbenzene Toluene	ND ND	0.0250	1		12/06/24	02/07/24	
	ND ND	0.0250	1		12/06/24	02/07/24	
o-Xylene	ND ND	0.0230	1		12/06/24	02/07/24	
p,m-Xylene Total Xylenes	ND	0.0300	1		2/06/24	02/07/24	
Surrogate: Bromofluorobenzene		109 %	70-130	a	02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	a	02/06/24	02/07/24	
Surrogate: Toluene-d8		94.8 %	70-130	C	02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2406039
Gasoline Range Organics (C6-C10)	ND	20.0	1	C	2/06/24	02/07/24	
Surrogate: Bromofluorobenzene		109 %	70-130	0	02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	0	02/06/24	02/07/24	
Surrogate: Toluene-d8		94.8 %	70-130	C	02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM			Batch: 2406078
Diesel Range Organics (C10-C28)	ND	25.0	1	C	2/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	C	2/08/24	02/09/24	
Surrogate: n-Nonane		114 %	50-200	a	02/08/24	02/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY			Batch: 2406057
Chloride	35.4	20.0	1	0	2/06/24	02/07/24	_



Pi	ma Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
P	O Box 247	Project Number:	21064-0001	Reported:
Pl	ains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

### S4-3' E402054-15

		210200110					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Allalyte	Kesuit	Limit	Dili	ution	Frepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2406039
Benzene	ND	0.0250		1	02/06/24	02/07/24	
Ethylbenzene	ND	0.0250		1	02/06/24	02/07/24	
Toluene	ND	0.0250		1	02/06/24	02/07/24	
o-Xylene	ND	0.0250		1	02/06/24	02/07/24	
p,m-Xylene	ND	0.0500		1	02/06/24	02/07/24	
Total Xylenes	ND	0.0250		1	02/06/24	02/07/24	
Surrogate: Bromofluorobenzene		109 %	70-130		02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		02/06/24	02/07/24	
Surrogate: Toluene-d8		94.1 %	70-130		02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2406039
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/06/24	02/07/24	
Surrogate: Bromofluorobenzene		109 %	70-130		02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		02/06/24	02/07/24	
Surrogate: Toluene-d8		94.1 %	70-130		02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2406078
Diesel Range Organics (C10-C28)	ND	25.0		1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0		1	02/08/24	02/09/24	
Surrogate: n-Nonane		107 %	50-200	·	02/08/24	02/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: IY		Batch: 2406057
Chloride	ND	20.0		1	02/06/24	02/07/24	



Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

#### S4-4'

		E402054-16					
Reporting							
Analyte	Result	Limit	Dilut	tion Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2406039	
Benzene	ND	0.0250	1	02/06/24	02/07/24		
Ethylbenzene	ND	0.0250	1	02/06/24	02/07/24		
Toluene	ND	0.0250	1	02/06/24	02/07/24		
o-Xylene	ND	0.0250	1	02/06/24	02/07/24		
p,m-Xylene	ND	0.0500	1	02/06/24	02/07/24		
Total Xylenes	ND	0.0250	1	02/06/24	02/07/24		
Surrogate: Bromofluorobenzene		108 %	70-130	02/06/24	02/07/24		
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	02/06/24	02/07/24		
Surrogate: Toluene-d8		94.3 %	70-130	02/06/24	02/07/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2406039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/24	02/07/24		
Surrogate: Bromofluorobenzene		108 %	70-130	02/06/24	02/07/24		
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	02/06/24	02/07/24		
Surrogate: Toluene-d8		94.3 %	70-130	02/06/24	02/07/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2406078	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/24	02/09/24		
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/24	02/09/24		
Surrogate: n-Nonane		113 %	50-200	02/08/24	02/09/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: IY		Batch: 2406057	
Chloride	ND	20.0			02/07/24	· · · · · · · · · · · · · · · · · · ·	



Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

		E402054-17					
Reporting							
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ä	Analyst: IY			Batch: 2406039
Benzene	ND	0.0250	1		02/06/24	02/07/24	
Ethylbenzene	ND	0.0250	1		02/06/24	02/07/24	
Toluene	ND	0.0250	1		02/06/24	02/07/24	
o-Xylene	ND	0.0250	1		02/06/24	02/07/24	
p,m-Xylene	ND	0.0500	1		02/06/24	02/07/24	
Total Xylenes	ND	0.0250	1		02/06/24	02/07/24	
Surrogate: Bromofluorobenzene		108 %	70-130		02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		02/06/24	02/07/24	
Surrogate: Toluene-d8		95.2 %	70-130		02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ā	Analyst: IY			Batch: 2406039
Gasoline Range Organics (C6-C10)	ND	20.0	1		02/06/24	02/07/24	
Surrogate: Bromofluorobenzene		108 %	70-130		02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		02/06/24	02/07/24	
Surrogate: Toluene-d8		95.2 %	70-130		02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	F	Analyst: KN	M		Batch: 2406078
Diesel Range Organics (C10-C28)	ND	25.0	1		02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1		02/08/24	02/09/24	
Surrogate: n-Nonane		113 %	50-200		02/08/24	02/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: IY			Batch: 2406057
Chloride	ND						



Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

### SW2 E402054-18

D. I	Reporting		.:	D 1		N.
Kesult	Limit	Dilt	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2406039
ND	0.0250	1	1	02/06/24	02/07/24	
ND	0.0250		1	02/06/24	02/07/24	
ND	0.0250		1	02/06/24	02/07/24	
ND	0.0250		1	02/06/24	02/07/24	
ND	0.0500		1	02/06/24	02/07/24	
ND	0.0250	į	1	02/06/24	02/07/24	
	107 %	70-130		02/06/24	02/07/24	
	102 %	70-130		02/06/24	02/07/24	
	95.9 %	70-130		02/06/24	02/07/24	
mg/kg	mg/kg		Analyst:	IY		Batch: 2406039
ND	20.0		1	02/06/24	02/07/24	
	107 %	70-130		02/06/24	02/07/24	
	102 %	70-130		02/06/24	02/07/24	
	95.9 %	70-130		02/06/24	02/07/24	
mg/kg	mg/kg		Analyst:	KM		Batch: 2406078
ND	25.0		1	02/08/24	02/09/24	
ND	50.0		1	02/08/24	02/09/24	
	115 %	50-200		02/08/24	02/09/24	
mg/kg	mg/kg		Analyst:	IY		Batch: 2406057
ND	20.0		1	02/06/24	02/07/24	
	ND Mg/kg ND Mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ID         0.0250           ID         0.0250           ID         95.9 %           mg/kg         mg/kg           ND         20.0           107 %         102 %           95.9 %         95.9 %           mg/kg         mg/kg           ND         25.0           ND         50.0           115 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dile           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           107 %         70-130           95.9 %         70-130           mg/kg         mg/kg           ND         20.0           107 %         70-130           95.9 %         70-130           95.9 %         70-130           mg/kg         mg/kg           ND         25.0           ND         50.0           115 %         50-200           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Analyst:           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           107 %         70-130           95.9 %         70-130           mg/kg         mg/kg         Analyst:           ND         20.0         1           107 %         70-130         1           95.9 %         70-130         1           mg/kg         mg/kg         Analyst:           ND         25.0         1           ND         50.0         1           115 %         50-200           mg/kg         Analyst:	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         02/06/24           ND         0.0250         1         02/06/24           ND         0.0250         1         02/06/24           ND         0.0250         1         02/06/24           ND         0.0500         1         02/06/24           ND         0.0250         1         02/06/24           ND         70-130         02/06/24           102 %         70-130         02/06/24           95.9 %         70-130         02/06/24           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         02/06/24           102 %         70-130         02/06/24           102 %         70-130         02/06/24           95.9 %         70-130         02/06/24           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         02/08/24           ND         50.0         1         02/08/24           ND         50.0         1         02/08/24 <td< td=""><td>Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         V           ND         0.0250         1         02/06/24         02/07/24           ND         0.0500         1         02/06/24         02/07/24           ND         0.0250         1         02/06/24         02/07/24           ND         0.0250         1         02/06/24         02/07/24           ND         70-130         02/06/24         02/07/24           95.9 %         70-130         02/06/24         02/07/24           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         02/06/24         02/07/24           102 %         70-130         02/06/24         02/07/24           95.9 %         70-130         02/06/24         02/07/24           mg/kg         mg/kg         Analyst: KM           ND         50.0</td></td<>	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         V           ND         0.0250         1         02/06/24         02/07/24           ND         0.0500         1         02/06/24         02/07/24           ND         0.0250         1         02/06/24         02/07/24           ND         0.0250         1         02/06/24         02/07/24           ND         70-130         02/06/24         02/07/24           95.9 %         70-130         02/06/24         02/07/24           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         02/06/24         02/07/24           102 %         70-130         02/06/24         02/07/24           95.9 %         70-130         02/06/24         02/07/24           mg/kg         mg/kg         Analyst: KM           ND         50.0



Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

### SW3 E402054-19

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2406039
Benzene	ND	0.0250		1	02/06/24	02/07/24	
Ethylbenzene	ND	0.0250		1	02/06/24	02/07/24	
Toluene	ND	0.0250		1	02/06/24	02/07/24	
o-Xylene	ND	0.0250		1	02/06/24	02/07/24	
p,m-Xylene	ND	0.0500		1	02/06/24	02/07/24	
Total Xylenes	ND	0.0250	į	1	02/06/24	02/07/24	
Surrogate: Bromofluorobenzene		108 %	70-130		02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		02/06/24	02/07/24	
Surrogate: Toluene-d8		95.5 %	70-130		02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2406039
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/06/24	02/07/24	
Surrogate: Bromofluorobenzene		108 %	70-130		02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		02/06/24	02/07/24	
Surrogate: Toluene-d8		95.5 %	70-130		02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2406078
Diesel Range Organics (C10-C28)	ND	25.0		1	02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0		1	02/08/24	02/09/24	
Surrogate: n-Nonane		112 %	50-200		02/08/24	02/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2406057
	ND	20.0	-		02/06/24	02/07/24	



Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

#### SW4

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: I	Y		Batch: 2406039
Benzene	ND	0.0250	1		02/06/24	02/07/24	
Ethylbenzene	ND	0.0250	1		02/06/24	02/07/24	
Toluene	ND	0.0250	1		02/06/24	02/07/24	
o-Xylene	ND	0.0250	1		02/06/24	02/07/24	
p,m-Xylene	ND	0.0500	1		02/06/24	02/07/24	
Total Xylenes	ND	0.0250	1		02/06/24	02/07/24	
Surrogate: Bromofluorobenzene		109 %	70-130		02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		02/06/24	02/07/24	
Surrogate: Toluene-d8		94.8 %	70-130		02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: I	Y		Batch: 2406039
Gasoline Range Organics (C6-C10)	ND	20.0	1		02/06/24	02/07/24	
Surrogate: Bromofluorobenzene		109 %	70-130		02/06/24	02/07/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		02/06/24	02/07/24	
Surrogate: Toluene-d8		94.8 %	70-130		02/06/24	02/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: k	ΚM		Batch: 2406078
Diesel Range Organics (C10-C28)	ND	25.0	1		02/08/24	02/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1		02/08/24	02/09/24	
Surrogate: n-Nonane		114 %	50-200		02/08/24	02/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	I	Analyst: I	Y		Batch: 2406057
11110115 0 7 22112 0 0 0 0 1 2							



Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

#### SW5

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2406069
Benzene	ND	0.0250	1		02/07/24	02/09/24	
Ethylbenzene	ND	0.0250	1		02/07/24	02/09/24	
Toluene	ND	0.0250	1		02/07/24	02/09/24	
o-Xylene	ND	0.0250	1		02/07/24	02/09/24	
p,m-Xylene	ND	0.0500	1		02/07/24	02/09/24	
Total Xylenes	ND	0.0250	1		02/07/24	02/09/24	
Surrogate: Bromofluorobenzene		111 %	70-130		02/07/24	02/09/24	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130		02/07/24	02/09/24	
Surrogate: Toluene-d8		106 %	70-130		02/07/24	02/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2406069
Gasoline Range Organics (C6-C10)	ND	20.0	1		02/07/24	02/09/24	
Surrogate: Bromofluorobenzene		111 %	70-130		02/07/24	02/09/24	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130		02/07/24	02/09/24	
Surrogate: Toluene-d8		106 %	70-130		02/07/24	02/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2406073
Diesel Range Organics (C10-C28)	ND	25.0	1		02/07/24	02/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1		02/07/24	02/08/24	
Surrogate: n-Nonane		106 %	50-200		02/07/24	02/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2406060



Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

#### SW6

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2406069
Benzene	ND	0.0250	1		02/07/24	02/09/24	
Ethylbenzene	ND	0.0250	1		02/07/24	02/09/24	
Toluene	ND	0.0250	1	l	02/07/24	02/09/24	
o-Xylene	ND	0.0250	1	l	02/07/24	02/09/24	
p,m-Xylene	ND	0.0500	1	l	02/07/24	02/09/24	
Total Xylenes	ND	0.0250	1		02/07/24	02/09/24	
Surrogate: Bromofluorobenzene		112 %	70-130		02/07/24	02/09/24	
Surrogate: 1,2-Dichloroethane-d4		90.3 %	70-130		02/07/24	02/09/24	
Surrogate: Toluene-d8		109 %	70-130		02/07/24	02/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst:	IY		Batch: 2406069
Gasoline Range Organics (C6-C10)	ND	20.0	1		02/07/24	02/09/24	
Surrogate: Bromofluorobenzene		112 %	70-130		02/07/24	02/09/24	
Surrogate: 1,2-Dichloroethane-d4		90.3 %	70-130		02/07/24	02/09/24	
Surrogate: Toluene-d8		109 %	70-130		02/07/24	02/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2406073
Diesel Range Organics (C10-C28)	ND	25.0	1		02/07/24	02/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	ļ.	02/07/24	02/08/24	
Surrogate: n-Nonane		106 %	50-200		02/07/24	02/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2406060
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							



Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

#### SW7

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2406069
Benzene	ND	0.0250		1	02/07/24	02/09/24	
Ethylbenzene	ND	0.0250		1	02/07/24	02/09/24	
Toluene	ND	0.0250		1	02/07/24	02/09/24	
o-Xylene	ND	0.0250		1	02/07/24	02/09/24	
p,m-Xylene	ND	0.0500		1	02/07/24	02/09/24	
Total Xylenes	ND	0.0250		1	02/07/24	02/09/24	
Surrogate: Bromofluorobenzene		115 %	70-130		02/07/24	02/09/24	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		02/07/24	02/09/24	
Surrogate: Toluene-d8		106 %	70-130		02/07/24	02/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2406069
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/07/24	02/09/24	
Surrogate: Bromofluorobenzene		115 %	70-130		02/07/24	02/09/24	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		02/07/24	02/09/24	
Surrogate: Toluene-d8		106 %	70-130		02/07/24	02/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2406073
Diesel Range Organics (C10-C28)	ND	25.0		1	02/07/24	02/08/24	
Oil Range Organics (C28-C36)	ND	50.0		1	02/07/24	02/08/24	
Surrogate: n-Nonane		107 %	50-200		02/07/24	02/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2406060
Chloride	ND	20.0		1	02/06/24	02/08/24	



Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

E402054-24							
		Reporting					
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	analyst: IY		Batch: 2406069	
Benzene	ND	0.0250	1	02/07/24	02/09/24		
Ethylbenzene	ND	0.0250	1	02/07/24	02/09/24		
Toluene	ND	0.0250	1	02/07/24	02/09/24		
o-Xylene	ND	0.0250	1	02/07/24	02/09/24		
p,m-Xylene	ND	0.0500	1	02/07/24	02/09/24		
Total Xylenes	ND	0.0250	1	02/07/24	02/09/24		
Surrogate: Bromofluorobenzene		114 %	70-130	02/07/24	02/09/24		
Surrogate: 1,2-Dichloroethane-d4		92.2 %	70-130	02/07/24	02/09/24		
Surrogate: Toluene-d8		105 %	70-130	02/07/24	02/09/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2406069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/24	02/09/24		
Surrogate: Bromofluorobenzene		114 %	70-130	02/07/24	02/09/24		
Surrogate: 1,2-Dichloroethane-d4		92.2 %	70-130	02/07/24	02/09/24		
Surrogate: Toluene-d8		105 %	70-130	02/07/24	02/09/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KM		Batch: 2406073	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/24	02/08/24		
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/24	02/08/24		
Surrogate: n-Nonane		105 %	50-200	02/07/24	02/08/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: DT		Batch: 2406060	
Chloride	ND	20.0	1	02/06/24	02/08/24		



Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

E402054-25
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	Reporting						
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2406069
Benzene	ND	0.0250		1	02/07/24	02/09/24	
Ethylbenzene	ND	0.0250		1	02/07/24	02/09/24	
Toluene	ND	0.0250		1	02/07/24	02/09/24	
o-Xylene	ND	0.0250		1	02/07/24	02/09/24	
p,m-Xylene	ND	0.0500		1	02/07/24	02/09/24	
Total Xylenes	ND	0.0250		1	02/07/24	02/09/24	
Surrogate: Bromofluorobenzene		112 %	70-130		02/07/24	02/09/24	
Surrogate: 1,2-Dichloroethane-d4		91.1 %	70-130		02/07/24	02/09/24	
Surrogate: Toluene-d8		107 %	70-130		02/07/24	02/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2406069
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/07/24	02/09/24	
Surrogate: Bromofluorobenzene		112 %	70-130		02/07/24	02/09/24	
Surrogate: 1,2-Dichloroethane-d4		91.1 %	70-130		02/07/24	02/09/24	
Surrogate: Toluene-d8		107 %	70-130		02/07/24	02/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2406073
Diesel Range Organics (C10-C28)	ND	25.0		1	02/07/24	02/08/24	
Oil Range Organics (C28-C36)	ND	50.0		1	02/07/24	02/08/24	
Surrogate: n-Nonane		107 %	50-200		02/07/24	02/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2406060
Chloride	ND	20.0		1	02/06/24	02/08/24	

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

		E402054-26				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2406069
Benzene	ND	0.0250	1	02/07/24	02/09/24	
Ethylbenzene	ND	0.0250	1	02/07/24	02/09/24	
Toluene	ND	0.0250	1	02/07/24	02/09/24	
o-Xylene	ND	0.0250	1	02/07/24	02/09/24	
p,m-Xylene	ND	0.0500	1	02/07/24	02/09/24	
Total Xylenes	ND	0.0250	1	02/07/24	02/09/24	
Surrogate: Bromofluorobenzene		112 %	70-130	02/07/24	02/09/24	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130	02/07/24	02/09/24	
Surrogate: Toluene-d8		109 %	70-130	02/07/24	02/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2406069
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/24	02/09/24	
Surrogate: Bromofluorobenzene		112 %	70-130	02/07/24	02/09/24	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130	02/07/24	02/09/24	
Surrogate: Toluene-d8		109 %	70-130	02/07/24	02/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2406073
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/24	02/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/24	02/08/24	
Surrogate: n-Nonane		105 %	50-200	02/07/24	02/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT		Batch: 2406060
Chloride	ND	20.0	1	02/06/24	02/08/24	



Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

		E402054-27					
		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: 1	IY		Batch: 2406069
Benzene	ND	0.0250	1	1	02/07/24	02/09/24	
Ethylbenzene	ND	0.0250	1	1	02/07/24	02/09/24	
Toluene	ND	0.0250	1	1	02/07/24	02/09/24	
o-Xylene	ND	0.0250	1	1	02/07/24	02/09/24	
p,m-Xylene	ND	0.0500	1	1	02/07/24	02/09/24	
Total Xylenes	ND	0.0250	1	1	02/07/24	02/09/24	
Surrogate: Bromofluorobenzene		111 %	70-130		02/07/24	02/09/24	
Surrogate: 1,2-Dichloroethane-d4		90.5 %	70-130		02/07/24	02/09/24	
Surrogate: Toluene-d8		111 %	70-130		02/07/24	02/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: 1	IY		Batch: 2406069
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	02/07/24	02/09/24	
Surrogate: Bromofluorobenzene		111 %	70-130		02/07/24	02/09/24	
Surrogate: 1,2-Dichloroethane-d4		90.5 %	70-130		02/07/24	02/09/24	
Surrogate: Toluene-d8		111 %	70-130		02/07/24	02/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: 1	KM		Batch: 2406073
Diesel Range Organics (C10-C28)	ND	25.0	1	1	02/07/24	02/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	02/07/24	02/08/24	
Surrogate: n-Nonane	·	103 %	50-200		02/07/24	02/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: 1	DT		Batch: 2406060
Chloride	ND	20.0	1	1	02/06/24	02/08/24	<del></del>



Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

### BG1 E402054-28

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY				Batch: 2406069
Benzene	ND	0.0250		1	02/07/24	02/09/24	
Ethylbenzene	ND	0.0250		1	02/07/24	02/09/24	
Toluene	ND	0.0250		1	02/07/24	02/09/24	
o-Xylene	ND	0.0250		1	02/07/24	02/09/24	
p,m-Xylene	ND	0.0500		1	02/07/24	02/09/24	
Total Xylenes	ND	0.0250		1	02/07/24	02/09/24	
Surrogate: Bromofluorobenzene		113 %	70-130		02/07/24	02/09/24	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130		02/07/24	02/09/24	
Surrogate: Toluene-d8		109 %	70-130		02/07/24	02/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY				Batch: 2406069
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/07/24	02/09/24	
Surrogate: Bromofluorobenzene		113 %	70-130		02/07/24	02/09/24	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130		02/07/24	02/09/24	
Surrogate: Toluene-d8		109 %	70-130		02/07/24	02/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM				Batch: 2406073
Diesel Range Organics (C10-C28)	ND	25.0		1	02/07/24	02/08/24	
Oil Range Organics (C28-C36)	ND	50.0		1	02/07/24	02/08/24	
Surrogate: n-Nonane		108 %	50-200		02/07/24	02/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2406060
		20.0		1	02/06/24	02/08/24	



**QC Summary Data** Haley Chavaroo SA Unit Water Injection facility Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 21064-0001 Plains TX, 79355-0247 Project Manager: Tom Bynum 2/13/2024 2:58:09PM **Volatile Organic Compounds by EPA 8260B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2406039-BLK1) Prepared: 02/06/24 Analyzed: 02/07/24 ND 0.0250 ND 0.0250 Ethylbenzene Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: Bromofluorobenzene 0.540 0.500 108 70-130 Surrogate: 1,2-Dichloroethane-d4 0.505 0.500 101 70-130 0.500 94.9 70-130 Surrogate: Toluene-d8 0.475 LCS (2406039-BS1) Prepared: 02/06/24 Analyzed: 02/07/24 3.01 0.0250 2.50 120 70-130 Benzene 2.50 103 70-130 2.57 Ethylbenzene 0.0250 2.55 0.0250 2.50 102 70-130 2.52 2.50 70-130 o-Xylene 0.0250 101 98.8 4.94 5.00 70-130 p,m-Xylene 0.0500 7.46 0.0250 7.50 99.5 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.519 0.500 104 70-130 0.500 101 70-130 Surrogate: 1,2-Dichloroethane-d4 0.505 Surrogate: Toluene-d8 0.500 70-130 0.472 Matrix Spike (2406039-MS1) Source: E402054-06 Prepared: 02/06/24 Analyzed: 02/07/24 3.04 0.0250 2.50 ND 122 48-131 ND 45-135 Ethylbenzene 2.61 0.0250 2.50 104 ND 103 48-130 Toluene 2.57 0.0250 2.50 2.56 0.0250 2.50 ND 103 43-135 o-Xylene

Surrogate: Toluene-d8	0.474		0.500		94.8	70-130			
Matrix Spike Dup (2406039-MSD1)				Source:	E402054-0	)6	Prepared: 02/06/24 Analyzed: 02/07/24		
Benzene	3.09	0.0250	2.50	ND	124	48-131	1.48	23	
Ethylbenzene	2.68	0.0250	2.50	ND	107	45-135	2.42	27	
Toluene	2.66	0.0250	2.50	ND	107	48-130	3.42	24	
o-Xylene	2.68	0.0250	2.50	ND	107	43-135	4.31	27	
p,m-Xylene	5.27	0.0500	5.00	ND	105	43-135	3.62	27	
Total Xylenes	7.95	0.0250	7.50	ND	106	43-135	3.85	27	
Surrogate: Bromofluorobenzene	0.530		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			

0.500

5.00

7.50

0.500

0.500

0.0500

0.0250

ND

ND

102

102

106

102

96.1

43-135

43-135

70-130

70-130

70-130

5.08

7.65

0.530

0.510

0.481

p,m-Xylene

Total Xylenes

Surrogate: Toluene-d8

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

### **QC Summary Data**

Pima Environmental Services-Carlsbad Project Name: Haley Chavaroo SA Unit Water Injection facility Reported:

PO Box 247 Project Number: 21064-0001
Plains TX, 79355-0247 Project Manager: Tom Bynum 2/13/2024 2:58:09PM

Plains TX, 79355-0247		Project Manager	: To	om Bynum				2/1	3/2024 2:58:09PN	
	Volatile Organic Compounds by EPA 8260B							Analyst: IY		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2406069-BLK1)						F	Prepared: 02	2/07/24 Anal	yzed: 02/10/24	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
p,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: Bromofluorobenzene	0.534		0.500		107	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.453		0.500		90.5	70-130				
Surrogate: Toluene-d8	0.537		0.500		107	70-130				
LCS (2406069-BS1)						I	Prepared: 02	2/07/24 Anal	yzed: 02/10/24	
Benzene	2.42	0.0250	2.50		96.7	70-130				
Ethylbenzene	2.58	0.0250	2.50		103	70-130				
Toluene	2.49	0.0250	2.50		99.6	70-130				
o-Xylene	2.61	0.0250	2.50		104	70-130				
p,m-Xylene	5.17	0.0500	5.00		103	70-130				
Total Xylenes	7.78	0.0250	7.50		104	70-130				
Surrogate: Bromofluorobenzene	0.585		0.500		117	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.456		0.500		91.1	70-130				
Surrogate: Toluene-d8	0.530		0.500		106	70-130				
LCS Dup (2406069-BSD1)						I	Prepared: 02	2/07/24 Anal	yzed: 02/10/24	
Benzene	2.51	0.0250	2.50		100	70-130	3.74	23		
Ethylbenzene	2.63	0.0250	2.50		105	70-130	2.05	27		
Toluene	2.54	0.0250	2.50		102	70-130	2.01	24		
o-Xylene	2.71	0.0250	2.50		109	70-130	4.00	27		
p,m-Xylene	5.32	0.0500	5.00		106	70-130	2.74	27		
Total Xylenes	8.03	0.0250	7.50		107	70-130	3.16	27		
Surrogate: Bromofluorobenzene	0.618		0.500		124	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130				

0.500

110

70-130



Surrogate: Toluene-d8

0.550

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

### **QC Summary Data**

Pima Environmental Services-CarlsbadProject Name:Haley Chavaroo SA Unit Water Injection facilityReported:PO Box 247Project Number:21064-0001Plains TX, 79355-0247Project Manager:Tom Bynum2/13/20242:58:09PM

PO Box 247 Plains TX, 79355-0247		Project Number Project Manager		064-0001 om Bynum					2/13/2024 2:58:09PM
	Nor	nhalogenated (	Organics	by EPA 80	15D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2406039-BLK1)							Prepared: 0	2/06/24 A	nalyzed: 02/07/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.475		0.500		94.9	70-130			
LCS (2406039-BS2)							Prepared: 0	2/06/24 A	analyzed: 02/07/24
Gasoline Range Organics (C6-C10)	51.3	20.0	50.0		103	70-130			
Surrogate: Bromofluorobenzene	0.545		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.1	70-130			
Matrix Spike (2406039-MS2)				Source:	E402054-	06	Prepared: 0	2/06/24 A	analyzed: 02/07/24
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130			
Surrogate: Bromofluorobenzene	0.551		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.484		0.500		96.8	70-130			
Matrix Spike Dup (2406039-MSD2)				Source:	E402054-	06	Prepared: 0	2/06/24 A	nalyzed: 02/07/24
Gasoline Range Organics (C6-C10)	53.5	20.0	50.0	ND	107	70-130	1.26	20	
Surrogate: Bromofluorobenzene	0.548		0.500		110	70-130			

0.500

0.500

0.499

0.482

99.8

96.3

70-130

70-130



Pima Environmental Services-CarlsbadProject Name:Haley Chavaroo SA Unit Water Injection facilityReported:PO Box 247Project Number:21064-0001Plains TX, 79355-0247Project Manager:Tom Bynum2/13/20242:58:09PM

Nonhalogenated	Organics 1	by EPA 8015	SD - GRO
Tionnaiogenateu	O Zames	U y ELLIA UUL.	D - GIGO

Anal	

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2406069-BLK1)						Prepared: 02	2/07/24 An	alyzed: 02/10/24
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.534		0.500	107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.453		0.500	90.5	70-130			
Surrogate: Toluene-d8	0.537		0.500	107	70-130			
LCS (2406069-BS2)						Prepared: 02	2/07/24 An	nalyzed: 02/10/24
Gasoline Range Organics (C6-C10)	53.8	20.0	50.0	108	70-130			
Surrogate: Bromofluorobenzene	0.569		0.500	114	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.450		0.500	90.0	70-130			
Surrogate: Toluene-d8	0.553		0.500	111	70-130			
LCS Dup (2406069-BSD2)						Prepared: 02	2/07/24 An	nalyzed: 02/10/24
Gasoline Range Organics (C6-C10)	52.9	20.0	50.0	106	70-130	1.51	20	
Surrogate: Bromofluorobenzene	0.576		0.500	115	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.450		0.500	89.9	70-130			
Surrogate: Toluene-d8	0.533		0.500	107	70-130			



Pima Environmental Services-CarlsbadProject Name:Haley Chavaroo SA Unit Water Injection facilityReported:PO Box 247Project Number:21064-0001Plains TX, 79355-0247Project Manager:Tom Bynum2/13/20242:58:09PM

Plains 1X, /9355-024/		Project Manager	r: 10	m Bynum					2/13/2024 2:38:09PF
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	ORO/			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2406073-BLK1)							Prepared: 0	2/07/24 A	nalyzed: 02/07/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	50.2		50.0		100	50-200			
LCS (2406073-BS1)							Prepared: 0	2/07/24 A	nalyzed: 02/07/24
Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
urrogate: n-Nonane	52.0		50.0		104	50-200			
Matrix Spike (2406073-MS1)				Source:	E402049-2	24	Prepared: 0	2/07/24 A	nalyzed: 02/07/24
Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	38-132			
urrogate: n-Nonane	48.9		50.0		97.9	50-200			
Matrix Spike Dup (2406073-MSD1)				Source:	E402049-2	24	Prepared: 0	2/07/24 A	nalyzed: 02/07/24
Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	38-132	1.69	20	
urrogate: n-Nonane	49.0		50.0		97.9	50-200			

Pima Environmental Services-CarlsbadProject Name:Haley Chavaroo SA Unit Water Injection facilityReported:PO Box 247Project Number:21064-0001Plains TX, 79355-0247Project Manager:Tom Bynum2/13/20242:58:09PM

Plains 1X, /9355-024/		Project Manage	r: 10	m Bynum					2/13/2024 2:38:09PF
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2406078-BLK1)							Prepared: 0	2/08/24 A	nalyzed: 02/08/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	55.8		50.0		112	50-200			
LCS (2406078-BS1)							Prepared: 0	2/08/24 A	nalyzed: 02/08/24
Diesel Range Organics (C10-C28)	278	25.0	250		111	38-132			
urrogate: n-Nonane	56.2		50.0		112	50-200			
Matrix Spike (2406078-MS1)				Source:	E402054-0	04	Prepared: 0	2/08/24 A	nalyzed: 02/09/24
Diesel Range Organics (C10-C28)	335	25.0	250	25.8	124	38-132			
urrogate: n-Nonane	52.6		50.0		105	50-200			
Matrix Spike Dup (2406078-MSD1)				Source:	E402054-	04	Prepared: 0	2/08/24 A	nalyzed: 02/09/24
Diesel Range Organics (C10-C28)	299	25.0	250	25.8	109	38-132	11.4	20	
Jurrogate: n-Nonane	52.1		50.0		104	50-200			



Chloride

## **QC Summary Data**

Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Number:	Haley Chavaroo SA Unit Water Injection facility 21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/13/2024 2:58:09PM

		Anions	Analyst: IY						
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2406057-BLK1)							Prepared: 02	2/06/24 Anal	yzed: 02/07/24
Chloride	ND	20.0							
LCS (2406057-BS1)							Prepared: 02	2/06/24 Anal	yzed: 02/07/24
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2406057-MS1)				Source:	E402054-0	03	Prepared: 02	2/06/24 Anal	yzed: 02/07/24
Chloride	262	20.0	250	ND	105	80-120			
Matrix Spike Dup (2406057-MSD1)				Source:	E402054-0	03	Prepared: 02	2/06/24 Anal	yzed: 02/07/24

250

ND

105

80-120

0.163

20.0



Chloride

Chloride

Chloride

Matrix Spike (2406060-MS1)

Matrix Spike Dup (2406060-MSD1)

259

256

256

#### **QC Summary Data**

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number Project Manager	:	Haley Chavaroo 21064-0001 Tom Bynum	o SA Unit	Water Injec	tion facility		<b>Reported:</b> 2/13/2024 2:58:09PM
		Anions	by EPA	300.0/9056	4				Analyst: DT
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2406060-BLK1)							Prepared: 0	2/06/24 <i>A</i>	Analyzed: 02/08/24
Chloride	ND	20.0							
LCS (2406060-BS1)							Prepared: 0	2/06/24 A	Analyzed: 02/08/24

250

250

250

20.0

20.0

20.0

90-110

80-120

80-120

0.0418

Prepared: 02/06/24 Analyzed: 02/08/24

Prepared: 02/06/24 Analyzed: 02/08/24

20

104

102

102

Source: E402054-21

Source: E402054-21

ND

ND

#### QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### **Definitions and Notes**

Pima Environmental Services-Carlsbad	Project Name:	Haley Chavaroo SA Unit Water Injection facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/13/24 14:58

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Jaley Chavaroo SA Unit Water Injection facility ient: Pima Environmental Services oject:  Attentic	idge way Anzon Villarp				Use	e Only				TAT		EPA P	rogram
Address Address		E	402	050	1	210	umber 04-000	1D	2D	3D St	tandard	CWA	SDWA
dress: 5614 N. Lovington Hwy.  City, State, Zip Hobbs, NM, 88240  City, State, Zip Hobbs, NM, 88240  Phone:	ip		1		A	nalysi	s and Metho	d					RCRA
one: 580-748-1613 Email:		015	8015				-171					State	
port due by: Pima F	oct # 7-301	0 by 8	O by 8	8021	3260	010	300.0	MN	¥		NM CO	UT AZ	TX
Time Date Matrix No. of Containers Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC	BGDOC			Remarks	
100 2/3 5 1 5/-1	Haliber		0	m	>	2	0	X	m .	+			
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11   51-3'	3			1	$\forall$			H	$\Box$				
19 51-4'	4				1	1				1			
26   52-1'	5												
52-2'	6				1				П	T			
39   \$2-31	7				1								
52-4°	8												
541   SZ-4° (56   S3-1°	9					1							
:11	10							1					
ditional Instructions:	9 # Pina Environ	nme	nte	1									
eld sampler), attest to the validity and authenticity of this sample. I am aware that tar or time of collection is considered fraud and may be grounds for legal action.	with or intentionally mislabelling the sample Sampled by:	e locatio	n,				equiring thermal p						d or received
	oy: (Signature) Oyle Date 25)	14	Time 5	63	1		ed on ice:	La	b Use )/ N				
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inquished by: (Signature) Date Time Rece	oy: (Signature) Date		Time			1		12			13	0	
	by: (Signature)  Date  2-6-			30 51	- 8	1 NG T	emp °C4	<u>T2</u>	<u>Les</u>		<u>T3</u>	<u> </u>	



CI		C L l.
Lnain	OI	Custody

roject In	formation	1				111		Chain	of Custody	/												F	Page	of
Haley	Chava	rm SA	Unit	Vater Mier	ion to	ality	,																	
lient: Pi	ma Envi	ronment	tal Service	ces		D.	Bill	Arizona Dil C	2					e On			76			TAT				ogram
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			<i>I</i> . 88240		Pho																		State	
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Report du					Pin	na Proje	ct# 7-	501		RO by	RO by	ıy 802	, 8260	6010	Je 300		- 1		ř		2			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID					Lab Number	DRO/ORO by	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			Benoc	BGDOC				Remarks	
	2/3	5	1	53-3'					11								)	4	1					
3:26				S3-4'					12															
8:35				53-1					13															
8:41	1			54-Z'					14															
8:56	V	M	1	34-3'					15															
8:59	+	+		54-4					16								4	-						
7:01	A	Y		SWI					17															
9:09				5WZ					18															
1:12				5W3					19															
9:17				SW4					20									$\prod$						
Addition	al Instruc	tions:				Bill	ling+0	Pima &	nuiro	nm	1211	tal	/											
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Relinguishe	d by: (Signa	ture	Date		33	Received I	by: (Signatur	e)	Date Z-S		Time			AVG	Tem	ip °C_	4							
sample Matr	ix: S - Soil, Sd	- Solid, Sg -	Sludge, A - A	queous, O - Other					Containe	r Type	e: g - g	glass,	<b>p</b> - p	oly/pl	astic,	ag - an	nber .	glass	v - \	/OA				
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	nformatio			2	0	4	Chain of Custod	y												Page _	of _5
Haley	Chavara	10 SA	Unith	later Inject	on facility	hy															
Client:	Pima Env	ironmen	tal Servi	ces		n: Ridge Way A	1. 1.1/	i de		La	ıb Us			1-100			TA	23		EPA P	rogram
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Report		114011.001			Pima Pi	roject # 7-501		o by	O by	8021	3260	010	300.		Z	¥		1	y CO	OT AZ	1^
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		7.50.	Lab Number	DRO/ORO by	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC		1		Remarks	
9:21	2/3	5	1	5W5			21								X						
9:36				SW6			22														
9:45		1		Sw7			23								I						
9:51				5w8			24														
9:55				Sw9			25														
10:61				SWIO			26								V						
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Additio	nal Instruc	ctions:		$\mathcal L$	11.10	D' 11			_			L				<u></u>					
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				queous, O - Other			Containe	r Type	e: g -	glass,	p - p	oly/p	lastic,	g - amb	er gla	ss, v	- VOA				
						ngements are made. H								at the clie	ent exp	oense.	Ther	eport f	or the ana	lysis of the	above
samples i	applicable of	only to thos	e samples r	eceived by the lab	oratory with this	COC. The liability of the	iaporatory is limited t	o the a	amour	nt paid	for o	n the	report.								



Printed: 2/6/2024 4:09:57PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

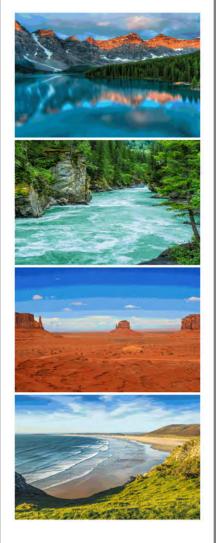
Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	02/06/24	07:51		Work Order ID:	E402054
Phone:	(575) 631-6977	Date Logged In:	02/06/24	07:50		Logged In By:	Angelina Pineda
Email:	tom@pimaoil.com	Due Date:	02/12/24	17:00 (4 day TAT)			
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
2. Does th	ne number of samples per sampling site location ma	tch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were a	Il samples received within holding time?  Note: Analysis, such as pH which should be conducted in the lattice are not included in this discussion.		Yes			Comments	s/Resolution
Sample T	i.e, 15 minute hold time, are not included in this disucssicurn Around Time (TAT)	on.					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<del></del>						
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
	•	temperature: 4	<u> </u>				
Sample C			N				
	queous VOC samples present?		No NA				
	OC samples collected in VOA Vials?		NA NA				
	head space less than 6-8 mm (pea sized or less)?						
	trip blank (TB) included for VOC analyses?	n	NA				
	on-VOC samples collected in the correct containers		Yes				
	appropriate volume/weight or number of sample contain	ners conected?	Yes				
Field Lat		4					
	field sample labels filled out with the minimum info ample ID?	ormation:	Yes				
	ate/Time Collected?		Yes				
	ollectors name?		Yes				
Sample P	reservation_						
21. Does	the COC or field labels indicate the samples were pr	reserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
_	the sample have more than one phase, i.e., multipha	se?	No				
	, does the COC specify which phase(s) is to be analy		NA				
		,	1411				
	act Laboratory	0	Ma				
	amples required to get sent to a subcontract laborator	-	No Na	C-1	NT A		
	subcontract laboratory specified by the client and is	i so who?	NA	Subcontract Lab	): NA		
Client Ir	<u>astruction</u>						

Date

Report to:
Gio Gomez



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





## envirotech

Practical Solutions for a Better Tomorrow

## **Analytical Report**

#### Pima Environmental Services-Carlsbad

Project Name: Haley Water Facility

Work Order: E410137

Job Number: 21064-0001

Received: 10/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/15/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/15/24

Gio Gomez PO Box 247

Plains, TX 79355-0247

Project Name: Haley Water Facility

Workorder: E410137

Date Received: 10/15/2024 8:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/15/2024 8:00:00AM, under the Project Name: Haley Water Facility.

The analytical test results summarized in this report with the Project Name: Haley Water Facility apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

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Cell: 505-320-4759

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Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

### **Table of Contents**

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
CS1-4'	5
CSW1-4'	6
CSW2-2'	7
CS2-2'	8
QC Summary Data	9
QC - Volatile Organics by EPA 8021B	9
QC - Nonhalogenated Organics by EPA 8015D - GRO	10
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	11
QC - Anions by EPA 300.0/9056A	12
Definitions and Notes	13
Chain of Custody etc.	14

#### **Sample Summary**

Pima Environmental Services-Carlsbad	Project Name:	Haley Water Facility	Donoutodi
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/15/24 14:45

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
CS1-4'	E410137-01A Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
CSW1-4'	E410137-02A Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
CSW2-2'	E410137-03A Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
CS2-2'	E410137-04A Soil	10/11/24	10/15/24	Glass Jar, 2 oz.



Pima Environmental Services-Carlsbad	Project Name:	Haley Water Facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/15/2024 2:45:42PM

#### CS1-4' E410137-01

		E-10157-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: CG		Batch: 2442050
Benzene	ND	0.0250	1	10/15/24	10/15/24	
Ethylbenzene	ND	0.0250	1	10/15/24	10/15/24	
Toluene	ND	0.0250	1	10/15/24	10/15/24	
o-Xylene	ND	0.0250	1	10/15/24	10/15/24	
p,m-Xylene	ND	0.0500	1	10/15/24	10/15/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/15/24	
Surrogate: 4-Bromochlorobenzene-PID		99.4 %	70-130	10/15/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: CG		Batch: 2442050
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.4 %	70-130	10/15/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2442055
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/15/24	
Surrogate: n-Nonane		102 %	50-200	10/15/24	10/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2442054
Chloride	ND	20.0	1	10/15/24	10/15/24	

Pima Environmental Services-Carlsbad	Project Name:	Haley Water Facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/15/2024 2:45:42PM

#### CSW1-4' E410137-02

	L410157 02				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: CG		Batch: 2442050
ND	0.0250	1	10/15/24	10/15/24	
ND	0.0250	1	10/15/24	10/15/24	
ND	0.0250	1	10/15/24	10/15/24	
ND	0.0250	1	10/15/24	10/15/24	
ND	0.0500	1	10/15/24	10/15/24	
ND	0.0250	1	10/15/24	10/15/24	
	101 %	70-130	10/15/24	10/15/24	
mg/kg	mg/kg	Anal	yst: CG		Batch: 2442050
ND	20.0	1	10/15/24	10/15/24	
	93.3 %	70-130	10/15/24	10/15/24	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2442055
ND	25.0	1	10/15/24	10/15/24	
ND	50.0	1	10/15/24	10/15/24	
	98.3 %	50-200	10/15/24	10/15/24	
mg/kg	mg/kg	Anal	yst: JM		Batch: 2442054
ND	20.0	1	10/15/24	10/15/24	
	mg/kg ND Mg/kg ND mg/kg	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           ND         0.0250           MD         20.0250           MB/kg         mg/kg           MB/kg         mg/kg           ND         20.0           93.3 %         mg/kg           ND         25.0           ND         50.0           98.3 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           mg/kg         mg/kg         Anal           ND         20.0         1           93.3 %         70-130           mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           98.3 %         50-200           mg/kg         mg/kg         Anal	Reporting           Result         Limit         Dilution         Prepared           mg/kg         MS         Analyst: CG           ND         0.0250         1         10/15/24           ND         0.0250         1         10/15/24           ND         0.0250         1         10/15/24           ND         0.0500         1         10/15/24           ND         0.0250         1         10/15/24           ND         70-130         10/15/24           mg/kg         mg/kg         Analyst: CG           ND         20.0         1         10/15/24           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         10/15/24           ND         50.0         1         10/15/24           ND         50.0         1         10/15/24           ND         50.0         1         10/15/24           mg/kg         mg/kg         Analyst: NV	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: CG           ND         0.0250         1         10/15/24         10/15/24           ND         0.0250         1         10/15/24         10/15/24           ND         0.0250         1         10/15/24         10/15/24           ND         0.0500         1         10/15/24         10/15/24           ND         0.0250         1         10/15/24         10/15/24           ND         0.0250         1         10/15/24         10/15/24           MB/kg         mg/kg         Analyst: CG         1         10/15/24         10/15/24           MD         20.0         1         10/15/24         10/15/24         10/15/24           mg/kg         mg/kg         Analyst: CG         1         10/15/24         10/15/24           MD         20.0         1         10/15/24         10/15/24         10/15/24           mg/kg         mg/kg         Analyst: NV         ND         50.0         1         10/15/24         10/15/24           ND         50.0         1         10/15/24<



Pima Environmental Services-Carlsbad	Project Name:	Haley Water Facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/15/2024 2:45:42PM

### CSW2-2'

E410137-03								
		Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: CG		Batch: 2442050		
Benzene	ND	0.0250	1	10/15/24	10/15/24			
Ethylbenzene	ND	0.0250	1	10/15/24	10/15/24			
Toluene	ND	0.0250	1	10/15/24	10/15/24			
o-Xylene	ND	0.0250	1	10/15/24	10/15/24			
p,m-Xylene	ND	0.0500	1	10/15/24	10/15/24			
Total Xylenes	ND	0.0250	1	10/15/24	10/15/24			
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/15/24	10/15/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	yst: CG		Batch: 2442050		
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/15/24			
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.0 %	70-130	10/15/24	10/15/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	yst: NV		Batch: 2442055		
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/15/24			
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/15/24			
Surrogate: n-Nonane		105 %	50-200	10/15/24	10/15/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	yst: JM		Batch: 2442054		
Chloride	ND	20.0	1	10/15/24	10/15/24			



Pima Environmental Services-Carlsbad	Project Name:	Haley Water Facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/15/2024 2:45:42PM

#### CS2-2'

#### E410137-04

	Reporting				
Result	Limit	Diluti	on Prepared	Analyzed	Notes
mg/kg	mg/kg	А	.nalyst: CG		Batch: 2442050
ND	0.0250	1	10/15/24	10/15/24	
ND	0.0250	1	10/15/24	10/15/24	
ND	0.0250	1	10/15/24	10/15/24	
ND	0.0250	1	10/15/24	10/15/24	
ND	0.0500	1	10/15/24	10/15/24	
ND	0.0250	1	10/15/24	10/15/24	
	101 %	70-130	10/15/24	10/15/24	
mg/kg	mg/kg	A	nalyst: CG		Batch: 2442050
ND	20.0	1	10/15/24	10/15/24	
	94.4 %	70-130	10/15/24	10/15/24	
mg/kg	mg/kg	A	nalyst: NV		Batch: 2442055
ND	25.0	1	10/15/24	10/15/24	
ND	50.0	1	10/15/24	10/15/24	
		50.200	10/15/24	10/15/24	
	97.7 %	50-200	10/13/24	10/13/24	
mg/kg	97.7 % mg/kg		nalyst: JM	10/13/24	Batch: 2442054
1	ng/kg  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	mg/kg mg/kg  ND 0.0250  ND 0.0250  ND 0.0250  ND 0.0250  ND 0.0500  ND 0.0500  ND 0.0250  I01 %  mg/kg  mg/kg  MD 20.0  94.4 %  mg/kg  MD 25.0	mg/kg mg/kg A  ND 0.0250 1  ND 0.0500 1  ND 0.0500 1  ND 0.0250 1  ND 0.0250 1  ND 0.0250 1  MD 0.0250 1  MD 0.0250 1  MD 70-130  mg/kg mg/kg A  ND 20.0 1  94.4 % 70-130  mg/kg mg/kg A	mg/kg mg/kg Analyst: CG  ND 0.0250 1 10/15/24  ND 0.0500 1 10/15/24  ND 0.0250 1 10/15/24  ND 0.0250 1 10/15/24  ND 0.0250 1 10/15/24  Mg/kg mg/kg Analyst: CG  ND 20.0 1 10/15/24  mg/kg mg/kg Analyst: NV  ND 25.0 1 10/15/24	mg/kg mg/kg Analyst: CG  ND 0.0250 1 10/15/24 10/15/24  ND 0.0500 1 10/15/24 10/15/24  ND 0.0250 1 10/15/24 10/15/24  ND 0.0250 1 10/15/24 10/15/24  ND 0.0250 1 10/15/24 10/15/24  MD 0.0250 1 10/15/24 10/15/24  Mg/kg mg/kg Analyst: CG  ND 20.0 1 10/15/24 10/15/24  mg/kg mg/kg Analyst: NV  ND 25.0 1 10/15/24 10/15/24



Surrogate: 4-Bromochlorobenzene-PID

8.30

## **QC Summary Data**

Pima Environmental Services-Carlsbad	Project Name:	Haley Water Facility	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/15/2024 2:45:42PM

PO Box 247 Plains TX, 79355-0247		Project Number: Project Manager:		.064-0001 io Gomez				]	10/15/2024 2:45:42PM	
Volatile Organics by EPA 8021B Analyst: CG										
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2442050-BLK1)							Prepared: 10	)/14/24 Aı	nalyzed: 10/15/24	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
p,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: 4-Bromochlorobenzene-PID	8.25		8.00		103	70-130				
LCS (2442050-BS1)							Prepared: 10	0/14/24 Aı	nalyzed: 10/15/24	
Benzene	5.34	0.0250	5.00		107	70-130				
Ethylbenzene	5.17	0.0250	5.00		103	70-130				
Toluene	5.27	0.0250	5.00		105	70-130				
o-Xylene	5.19	0.0250	5.00		104	70-130				
p,m-Xylene	10.5	0.0500	10.0		105	70-130				
Total Xylenes	15.7	0.0250	15.0		105	70-130				
Surrogate: 4-Bromochlorobenzene-PID	8.22		8.00		103	70-130				
LCS Dup (2442050-BSD1)							Prepared: 10	0/14/24 Aı	nalyzed: 10/15/24	
Benzene	5.32	0.0250	5.00		106	70-130	0.340	20		
Ethylbenzene	5.19	0.0250	5.00		104	70-130	0.328	20		
Toluene	5.27	0.0250	5.00		105	70-130	0.0436	20		
o-Xylene	5.22	0.0250	5.00		104	70-130	0.472	20		
p,m-Xylene	10.5	0.0500	10.0		105	70-130	0.572	20		
Total Xylenes	15.8	0.0250	15.0		105	70-130	0.538	20		

70-130



Pima Environmental Services-CarlsbadProject Name:Haley Water FacilityReported:PO Box 247Project Number:21064-0001Plains TX, 79355-0247Project Manager:Gio Gomez10/15/2024 2:45:42PM

Nonhalogenated	Organics	hv	EPA 80	15D -	CRO
Nonnalogenateu	Organics	υy	LI A OU	- עכני	GNO

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2442050-BLK1)						Prepared: 10	)/14/24	Analyzed: 10/15/24
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00	94.0	70-130			
LCS (2442050-BS2)						Prepared: 10	)/14/24	Analyzed: 10/15/24
Gasoline Range Organics (C6-C10)	38.8	20.0	50.0	77.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00	96.2	70-130			
LCS Dup (2442050-BSD2)						Prepared: 10	)/14/24	Analyzed: 10/15/24
Gasoline Range Organics (C6-C10)	38.5	20.0	50.0	77.0	70-130	0.685	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00	95.3	70-130			



Pima Environmental Services-Carlsbad	Project Name:	Haley Water Facility	Reported:
PO Box 247	Project Number:	21064-0001	•
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/15/2024 2:45:42PM

Plains 1X, /9355-024/		Project Manage	r: Gi	o Gomez				10	115/2024 2:45:42P
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: NV									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2442055-BLK1)							Prepared: 1	0/15/24 Ana	lyzed: 10/15/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Gurrogate: n-Nonane	47.4		50.0		94.9	50-200			
LCS (2442055-BS1)							Prepared: 1	0/15/24 Ana	lyzed: 10/15/24
Diesel Range Organics (C10-C28)	247	25.0	250		98.6	38-132			
Surrogate: n-Nonane	48.6		50.0		97.3	50-200			
LCS Dup (2442055-BSD1)							Prepared: 1	0/15/24 Ana	lyzed: 10/15/24
Diesel Range Organics (C10-C28)	244	25.0	250		97.7	38-132	0.980	20	
Gurrogate: n-Nonane	50.1		50.0		100	50-200			

Chloride

Chloride

Matrix Spike Dup (2442054-MSD1)

#### **QC Summary Data**

Pima Environmental Services-Carlsba	d	Project Name:		laley Water Fa	cility				Reported:
PO Box 247 Plains TX, 79355-0247		Project Number: Project Manager		1064-0001 iio Gomez				1	0/15/2024 2:45:42PM
		Anions	by EPA	300.0/9056	4				Analyst: JM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2442054-BLK1)							Prepared: 1	0/15/24 An	alyzed: 10/15/24
Chloride	ND	20.0							
LCS (2442054-BS1)							Prepared: 1	0/15/24 An	alyzed: 10/15/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2442054-MS1)				Source:	E410138-	03	Prepared: 1	0/15/24 An	alyzed: 10/15/24

250

250

20.0

20.0

ND

ND

101

102

Source: E410138-03

80-120

80-120

0.0422

Prepared: 10/15/24 Analyzed: 10/15/24

20

254

254

#### QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### **Definitions and Notes**

Pima Environmental Services-Carlsbad	Project Name:	Haley Water Facility	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/15/24 14:45

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project In	ıformatioı	1				С	hain of C	ustody	,												Page <u>/</u>	of <u>}</u>
Client: Pima Environmental Services Project: Hally Water Facility Project Manager: Gio Gomez Address: 5614 N. Lovington Hwy.				<u> </u>	Attention: Pidgewy Address: City, State, Zip		Lab Use Only Lab WO# Job Number  E3410131 Z1004-000			TZ.	TAT  1D 2D 3D Standard			EPA P	SDWA RCRA							
City, State Phone: 8 Email: 9	City, State, Zip Hobbs, NM, 88240 Phone: 806-782-1151 Email: gio@pimaoil.com Report due by:					Phone:		DRO/ORO by 8015	RO by 8015	y 8021	8260	6010	Chloride 300.0		MN	<b>F</b>			IM CO	State UT AZ	TX	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	-			ımber ımber	DRO/O	GRO/DRO by	ВТЕХ by 8021	VOC by 8260	Metals 6010	Chlorid		BGDOC	верос				Remarks	
3:00	10/11	5	<u> </u>	CS1-4	<u>'</u>			1								X						
3:16				CSWI-L	<u>( '</u>		- 6	<u>2</u>								$\coprod$						
3:25				C5W2-	2١			3								1						
3:32	1	<u></u>		CSW1-L CSW2- CS2-2	I	25.	1	4								1						
							Î	·														
	··						ř.															7
Addition	al Instruc	tions:				Bill to Pima																
				city of this sample. I		are that tampering with or intentionally mi on. Sampled by:	slabelling th	e sample	locatio	on,				-	-					ice the day t osequent da		led or received
Leu		<u>ame</u>	Date Date	14124 1;	48		les Dat Dat	6-416		-	48		Rece	ived	on ice:		ab U	se Or	nly			
Vich	elle G	onzale	8 10		40		/c	<u> </u>	4		240	2	<u>T1</u>			<u>T2</u>			I	3		
Revinduishe	d by: (Signa	ture}	Date 10.	14.24 7	<u>24.</u>	Segeived by: Kignature		·15·2	24	_	<u>ည</u>		AVG			4	·					
Sample Matr	rix: S - Soil, Sd	- Solid, Sg -	Sludge, A - A	queous, O - Other											ag - aml					- 41-	hada a e el	abauc.
						other arrangements are made. Hazar with this COC. The liability of the labo										ent ex	pense	. ine	report fo	or the ana	iysis of the	above

envirotech envirotech

Printed: 10/15/2024 10:36:33AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	10/15/24	08:00		Work Order ID:	E410137
Phone:	(575) 631-6977	Date Logged In:	10/14/24	14:54		Logged In By:	Caitlin Mars
Email:	gio@pimaoil.com	Due Date:	10/15/24	17:00 (0 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	No	Carrier. <u>c</u>	<u> </u>		
	Il samples received within holding time?	sied diidiyses.	Yes				
5. Wele a	Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi		165	,		Comment	s/Resolution
	<u>urn Around Time (TAT)</u>				Camaniadia		4-:
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			y and no of c	
Sample C	<u>Cooler</u>				provided of	n COC per cl	ient.
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes				
Sample C		<u>-</u>	_				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	9	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lat	· · ·	ners conceted.	103				
	field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes		L		
C	ollectors name?		No				
Sample P	<u>reservation</u>						
21. Does	the COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved r	netals?	No				
<u>Multipha</u>	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	ise?	No				
27. If yes,	, does the COC specify which phase(s) is to be anal	yzed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborate	rv?	No				
	subcontract laboratory specified by the client and i	•	NA	Subcontract Lab	h· NA		
		2 50 *******	- 11.2	Subcontract Eac	0.1471		
Client Ir	<u>istruction</u>						

Date

Sante Fe Main Office Phone: (505) 476-3441 General Information

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

# State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS

Action 408448

#### **QUESTIONS**

ı	Operator:	OGRID:
ı	RIDGEWAY ARIZONA OIL CORP.	164557
ı	575 N. Dairy Ashford	Action Number:
ı	Houston, TX 77079	408448
ı		Action Type:
ı		[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Prerequisites					
Incident ID (n#)	nAB1906042331				
Incident Name	NAB1906042331 HALEY WATER STATION @ 0				
Incident Type	Produced Water Release				
Incident Status	Remediation Closure Report Received				
Incident Facility	[fCH1903857157] HALEY WATER STATION				

Location of Release Source					
Please answer all the questions in this group.					
Site Name	HALEY WATER STATION				
Date Release Discovered	02/13/2019				
Surface Owner	State				

Incident Details					
Please answer all the questions in this group.					
Incident Type	Produced Water Release				
Did this release result in a fire or is the result of a fire	No				
Did this release result in any injuries	No				
Has this release reached or does it have a reasonable probability of reaching a watercourse	No				
Has this release endangered or does it have a reasonable probability of endangering public health	No				
Has this release substantially damaged or will it substantially damage property or the environment	No				
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No				

Nature and Volume of Release						
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.						
Crude Oil Released (bbls) Details	Not answered.					
Produced Water Released (bbls) Details	Cause: Equipment Failure   Pump   Produced Water   Released: 50 BBL   Recovered: 30 BBL   Lost: 20 BBL.					
Is the concentration of chloride in the produced water >10,000 mg/l	No					
Condensate Released (bbls) Details	Not answered.					
Natural Gas Vented (Mcf) Details	Not answered.					
Natural Gas Flared (Mcf) Details	Not answered.					
Other Released Details	Not answered.					
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.					

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

## State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 2

Action 408448

QUEST	IONS (continued)				
Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID:				
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)				
QUESTIONS					
Nature and Volume of Release (continued)					
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.				
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes				
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.				
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.	e. gas only) are to be submitted on the C-129 form.				
Initial Response  The responsible party must undertake the following actions immediately unless they could create a second content of the con	safety hazard that would result in injury.				
The source of the release has been stopped	True				
The impacted area has been secured to protect human health and the environment	True				
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True				
All free liquids and recoverable materials have been removed and managed appropriately	True				
If all the actions described above have not been undertaken, explain why	Not answered.				
	iation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.				
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface it does not relieve the operator of responsibility for compliance with any other federal, state, or				
I hereby agree and sign off to the above statement	Name: Charles Hinojosa Title: Operations Manager Email: chinojosa@pedevco.com Date: 12/04/2024				

Sante Fe Main Office Phone: (505) 476-3441 General Information

Phone: (505) 629-6116

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## State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 3

Action 408448

**QUESTIONS** (continued)

Operator:	OGRID:				
RIDGEWAY ARIZONA OIL CORP.	164557				
575 N. Dairy Ashford	Action Number:				
Houston, TX 77079	408448				
	Action Type:				
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)				

#### QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan				
Please answer all the questions that apply or are indicated. This information must be provided to t	he appropriate district office no later than 90 days after the release discovery date.			
Requesting a remediation plan approval with this submission	Yes			
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination	associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.			
Have the lateral and vertical extents of contamination been fully delineated	Yes			
Was this release entirely contained within a lined containment area	No			
Soil Contamination Sampling: (Provide the highest observable value for each, in mill	igrams per kilograms.)			
Chloride (EPA 300.0 or SM4500 Cl B)	35.4			
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	311			
GRO+DRO (EPA SW-846 Method 8015M)	138			
BTEX (EPA SW-846 Method 8021B or 8260B)	0			
Benzene (EPA SW-846 Method 8021B or 8260B)	0			
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed which includes the anticipated timelines for beginning and completing the remediation.	efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,			
On what estimated date will the remediation commence	10/03/2024			
On what date will (or did) the final sampling or liner inspection occur	10/08/2024			
On what date will (or was) the remediation complete(d)	10/09/2024			
What is the estimated surface area (in square feet) that will be reclaimed	400			
What is the estimated volume (in cubic yards) that will be reclaimed	37			
What is the estimated surface area (in square feet) that will be remediated	400			
What is the estimated volume (in cubic yards) that will be remediated	37			
These estimated dates and measurements are recognized to be the best guess or calculation at the	, , , , , , , , , , , , , , , , , , , ,			
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.				

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## State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 4

Action 408448

**QUESTIONS** (continued)

Operator:	OGRID:
RIDGEWAY ARIZONA OIL CORP.	164557
575 N. Dairy Ashford	Action Number:
Houston, TX 77079	408448
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
/ reduce contaminants:		
Yes		
GANDY MARLEY LANDFARM/LANDFILL [fEEM0112338393]		
Not answered.		
No		

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Name: Charles Hinojosa
Title: Operations Manager
Email: chinojosa@pedevco.com
Date: 12/04/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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## State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 5

Action 408448

**QUESTIONS** (continued)

Operator:	OGRID:
RIDGEWAY ARIZONA OIL CORP.	164557
575 N. Dairy Ashford	Action Number:
Houston, TX 77079	408448
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of	the following items must be confirmed as part of any request for deferral of remediation.
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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## State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 6

Action 408448

QUESTIONS (continued)

Operator:	OGRID:
RIDGEWAY ARIZONA OIL CORP.	164557
575 N. Dairy Ashford	Action Number:
Houston, TX 77079	408448
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	390323
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/08/2024
What was the (estimated) number of samples that were to be gathered	4
What was the sampling surface area in square feet	400

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all re	emediation steps have been completed.
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	400
What was the total volume (cubic yards) remediated	37
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	400
What was the total volume (in cubic yards) reclaimed	37
Summarize any additional remediation activities not included by answers (above)	Standard remediation as outlined above, and to closure criteria required.

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Name: Charles Hinojosa
Title: Operations Manager
Email: chinojosa@pedevco.com
Date: 12/04/2024

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## State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 7

Action 408448

**QUESTIONS** (continued)

Operator:	OGRID:
RIDGEWAY ARIZONA OIL CORP.	164557
575 N. Dairy Ashford	Action Number:
Houston, TX 77079	408448
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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# State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Action 408448

#### **CONDITIONS**

Operator:	OGRID:
RIDGEWAY ARIZONA OIL CORP.	164557
575 N. Dairy Ashford	Action Number:
Houston, TX 77079	408448
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation closure approved.	12/17/2024